NACOmatic

Effective: 23-Sep-2010 Expires: 18-Nov-2010



Warranty

availability, applicability and/or correctness of any of the information in this document. The official, original NACO documents are available for your downloading pleasure

I make absolutely no warranty nor guarantee whatsoever about the accuracy,

Copyright

treaties.

This compilation is protected by US copyright laws and international copyright

from: http://naco.faa.gov/index.asp?xml=naco/onlineproducts

Limitations

prohibited.

The sale, hosting and/or distribution of this document in any and all forms, is

Release from Liability

All users of this compilation must agree to be legally bound hereby, that Douglas R.

Ranz ("Released Party") SHALL NOT BE LIABLE FOR MY DEATH OR INJURY TO MY PERSON, OR FOR ANY LOSS FOR DAMAGE TO MY PROPERTY OR REPUTATION caused

in any manner whatsoever, whether attributable to the negligence of the Released Party, or for any other reason, occurring during the time that I am operating an aircraft.

I do hereby waive any right of action against the Released Party from any and all causes or claims that I may have against them from the beginning of time. I further agree not to sue on any such cause or claim. This agreement shall not release

liability for gross negligence or willful misconduct of the Released Party. I agree to indemnify and hold the Released Party harmless for any losses, judgments, damages

or fees he may incur, including but not limited to attorneys fees, arising out any lawsuit related to the planning, flight and/or enforcement of or legal challenge to this agreement. It is my intention that this agreement be interpreted and enforced to the maximum extent allowed by Michigan law.

Kindl	e-DX	<pre>Index;</pre>	by Ar	tID		Use	"Menu",	then	"Goto	Page
00W	=>	33	OMK	=>	53					
09s	=>	49	ORS	=>	35					
0s0	=>	46	PAE	=>	39					
11s	=>	66	PLU	=>	58					
13W	=>	70	PSC	=>	55					
14S	=>	77	PUW	=>	58					
15s	=>	46	PWT	=>	30					
16W	=>	70	RLD	=>	61					
1RL	=>	56	RNT	=>	60					
21H	=>	27	S23	=>	43					
21W	=>	42	S36	=>	45					
27W	=>	46	SEA	=>	64					
335	=>	62	SFF	=>	69					
38W	=>	46	SHN	=>	67					
39P	=>	49	SKA	=>	40					
43D	=>	51	TCM	=>	48					
44T	=>	52	TDO	=>	72					
4W8	=>	37	TIW	=>	72					
55ន	=>	54	UIL	=>	59					
63S	=>	34	YKM	=>	80					
68S	=>	34								
69S	=>	45								
70s	=>	48								
72S	=>	62								
73S	=>	72								
74S	=>	26								
80T	=>	59								
83Q	=>	57								
ALW	=>	75 27								
AWO BFI	=>	27 63								
BLI	=> =>	29								
	=>	31								
BVS CLM	=>	56								
CLM	=>	32								
CTS	=>	26								
DEW	=>	35								
EAT	=>	77								
ELN	=>	37								
EPH	=>	38								
ESW	=>	35								
FHR	=>	41								
GEG	=>	70								
GRF	=>	42								
HQM	=>	43								
KLS	=>	44								
MWH	=>	50								
NOW	=>	56								
NUW	=>	78								
OKH	=>	51								
OLM	=>	52								

GENERAL INFORMATION This Airport/Facility Directory is a Civil Flight Information Publication published and distributed every eight weeks by the FAA

Department of Transportation, National Aeronautical Navigation Services, Silver Spring, Maryland 20910. It is designed fo

This directory contains all open to the public airports, seaplane bases and heliports, military facilities, and selected private use facilities specifically requested by the Department of Defense (DoD) for which a DoD Instrument Approach Procedure has been published in the U.S. Terminal Procedures Publication. Additionally, this directory contains communications data

Military data contained within this publication is provided by the National Geospatial-Intelligence Agency and is intended to provide reference data for military and/or joint civil/military airports. Not all military data contained in this publication is

use with Aeronautical Charts covering the conterminous United States, Puerto Rico and the Virgin Islands.

FOR AIRPORT SUPPLEMENT REVISIONS FORM VISIT WEB SITE: http://nfdc.faa.gov/portal/airportchanges.do FAA, Aeronautical Information Services, ATO-R, Rm. 626

CRITICAL information such as equipment malfunction, abnormal field conditions, hazards to flight, etc., should be reported as

soon as possible to the nearest FAA facility, either in person or by reverse charge telephone call.

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

800 Independence Ave., SW

navigational facilities and certain special notices and procedures.

Washington, DC 20591

Telephone 1-866-295-8236

applicable to civil users.

Fax 202-267-5322

Email 9-ATOR-HQ-AIS-AIRPORTCHANGES@FAA.GOV

NOTICE: Changes must be received by the Aeronautical Information Services as soon as possible but not later than the "cut-off" dates listed below to assure publication on the desired effective date.

	Airport Information	Airspace Information*
Effective Date	Cut-off date	Cut-off date
23 Sep 10	11 Aug 10	22 Jul 10
18 Nov 10	6 Oct 10	16 Sep 10
13 Jan 11	1 Dec 10	11 Nov 10
10 Mar 11	26 Jan 11	6 Jan 11
5 May 11	23 Mar 11	3 Mar 11
30 Jun 11	18 May 11	28 Apr 11

^{*}Including changes to preferred routes and graphic depictions on charts.

FOR CHARTING ERRORS CONTACT:

FAA, National Aeronautical Navigation Services

SSMC-4 Sta. #4435

1305 East West Highway

Silver Spring, MD 20910-3281

Telephone 1-800-626-3677

Email 9-AMC-Aerochart@faa.gov

Frequently asked questions (FAQs) are answered on our website at http://aeronav.faa.gov.

See the FAQs prior to contact via toll free number.

FOR PROCUREMENT CONTACT:

FAA, National Aeronautical Navigation Services

REDIS/Distribution Team

10201 Good Luck Road

Glenn Dale, MD 20769-9700

Online at http://aeronav.faa.gov

Email 9-AMC-Chartsales@faa.gov

Telephone 1-800-638-8972

Fax 301-436-6829

or any authorized chart agent.

New or Changed Information—To alert users of new information or changes to information from the previous issue, a vertica

line will be portrayed in the outside margin and extending the full length of the new and/or revised data. This will not apply to the front cover or the airport/facility directory listing.

This Airport/Facility Directory comprises part of the following sections of the United States Aeronautical Information Publication (AIP): GEN, ENR and AD.

GENERAL INFORMATION

TABLE OF CONTENTS

General Information	Inside F
Abbreviations	2
Directory Legend	4
Airport/Facility Directory	
ldaho	22
Montana	59
Oregon	104
Washington	141
Wyoming	195
City/Military Airport Cross Reference	216
Seaplane Landing Areas	217
Special Notices	218
Regulatory Notices	226
FAA and National Weather Service	
Telephone Numbers	227
Key to Aviation Weather Reports	228
Air Traffic Facilities Telephone Numbers	230
Air Route Traffic Control Centers	232
Flight Service Station Communication Frequencies	233
Flight Standards District Offices	236
Routes/Waypoints	
Low Altitude Directional Routes	237
High Altitude Preferred Routes	238
Q-Routes	239
RNAV Routing Pitch and Catch Points	242
VFR Waypoints	253
VOR Receiver Check	261
Parachute Jumping Areas	264
Aeronautical Chart Bulletins	266

Supplemental Communication Reference

Airport Diagrams

National Weather Service (NWS) Upper Air Observing Stations

Enroute Flight Advisory Service (EFAS)

272

278

328

Inside E

GENERAL INFORMATION

US Army Flight Operations Detachment

Automated Flight Service Station

Reserve Command

above ground level

Approach Light System

Air Mobility Command

Auxiliary Power Unit

Air Reserve Station

Aircraft Starting Unit

Airport Traffic Control Tower

All Up Weight (gross weight)

Air Traffic Control

Airport Surface Detection Equipment-

Air Reserve Base

Air National Guard Station

Agriculture

Arresting Gear

Army heliport

altitude

approach

April

airport

Air Station

Model X

August

available

heacon

below

Armed Forces Reserve Center/Air Force

2

AFOD

AFRC

AFSS

AG A-GEAR

ΔGI

AHP

ALS

alt

AMC

ANGS

anch

Apr

APU

ARR

arpt

ARS AS

ASU

ATC

ATCT

Aug

ΔΠΙΜ

avhl

bcn

blo

ASDE-X

ABBREVIATIONS

The following abbreviations/acronyms are those commonly used within this Directory. Other abbreviations/acronyms m be found in the Legend and are not duplicated below. The abbreviations presented are intended to represent grammatic variations of the basic form. (Example-"req" may mean "request", "requesting", "requested", or "requests").

Army Air Field byd bevond AAF Airbase C Commercial Circuit (Telephone) AR CGAF Coast Guard Air Facility abv ahove ACC Air Combat Command: Area Control CGAS Coast Guard Air Station

Center CIV Civil

acft aircraft clsd closed

ADCC Air Defense Control Center comd command

approach end rwy CONUS Continental United States

AFR

CSTMS AFB Air Force Base Customs

Air Force Heliport ctc contact

AFHP

airfield control afld ctl

dalgt

Dec

DIAP

DoD

DSN

durn

eff

dsplcd

emerg

FOR

ETA

ETD

exc

extd

FRO

Feb

fld

flt

flw

Fri

GΑ

GCA

GS

haz

ΗQ

CONTINUED ON NEXT PAGE

NW. 23 SEP 2010 to 18 NOV 2010

FLIP

daylight

December

displaced

duration

effective

except

extend

February

field

flight

follow

Friday

glide angle

glide slope

Headquarters

hazard

emergency

End of Runway

DoD Instrument Approach Procedure

Defense Switching Network (Telephon

Department of Defense

Estimated Time of Arrival

fixed-base operator

Flight Service Station

Estimated Time of Departure

Flight Information Publication

Ground Controlled Approach

nni NS ARTMT

Instrument Approach Procedure ICAO International Civil Aviation Organization NSTD nonstandard IFR Instrument Flight Rules ntc notice

Instrument Landing System ohen

II S Inner Marker Oct

hr

ΙΔΡ

lan

JASU

IOAP

IRR

hul

lun

Κt LAA

lhs

Ida

lgtd

lgts LMM

LOC

LOM

MACC

MCAF

MCALE

MCAS

MCB

med

Mil

min

MIS

MM

Mon

MP

MSL

MSAW

NAAS

NADO

NAEC

NAES

NALCO

NALO NALE

NAS

NAWC

NAWS ngt

NOLF

Nov

NAF

NADEP

MFTRO

Mar

ltd

LAHSO

JOSAC

hour

January

July

June

Knots

nounds

landing

lighted

lights

Localizer

limited

March

medium

military

minute

Monday

Jet Aircraft Starting Unit

Joint Reserve Base

Local Airport Advisory

Land and Hold Short Operations

Compass locator at Middle Marker ILS

Compass locator at Outer Marker ILS

Marine Corps Auxiliary Landing Field

Military Area Control Center

Marine Corps Air Facility

Marine Corps Air Station

Pilot-to-Metro voice call

Middle Marker of ILS

Maintenance Period

mean sea level

Naval Air Depot

Naval Air Facility

Naval Air Station

Naval Outlying Field

night

November

Microwave Landing System

minimum safe altitude warning

Naval Air Development Center

Naval Air Engineering Center

Naval Air Engineering Station

Navy Air Logistics Office

Naval Air Warfare Center Naval Air Weapons Station

Naval Auxiliary Landing Field

Naval Air Logistics Control Office

Naval Auxiliary Air Station

Marine Corps Base

Joint Oil Analysis Program

Joint Operational Support Airlift Center

IM IMG Immigration OL F

increase opr

indefinite ago operations

incr

intensity

indef ints OTS

invof in the vicinity of ovrn

IMC

out of service overrun Instrument Meteorological Conditions PAEW personnel and equipment working

operate, operator, operational

Outlying Field

pat

p-line

PMSV

POI

PPR

PRM

PTD

rea

RAMCC

rgt tfc

RON

rar

retd

rwv

Sat

SELE

Sen

SFΔ

cfc

SFRA

SOAP

SOF

SPR

SR

std

Sun

SVC

tfc

thld

Thu

tkf

tmprv

tran

Tue

twr

twv

UC

USA

USAF

USCG

USN

VFR

VIP

VMC

Wed

wx

NW. 23 SEP 2010 to 18 NOV 2010

RSRS

October

observation

non precision instrument

Noise Abatement

pattern

request

require

runwav

Saturday

surface

sunrise

sunset

Sunday

service

threshold

Thursday

take-off temporary

transient

Tuesday

tower

taxiwav

Under Construction

United States Army

United States Navy

formerly AUTOVON)

Visual Flight Rules

Wednesday

weather

Very Important Person

United States Air Force

United States Coast Guard

Defense Switching Network (telephone,

Visual Meteorological Conditions

traffic

standard

Sentember

restricted

right traffic

power line

Pilot-to-Metro Service

Pilot to Dispatcher

Remain Overnight

Petrol, Oils and Lubricants

Precision Runway Monitoring

Regional Air Movement Control Center

reduced same runway separation

Single Frequency Approach

Special Flight Rules Area

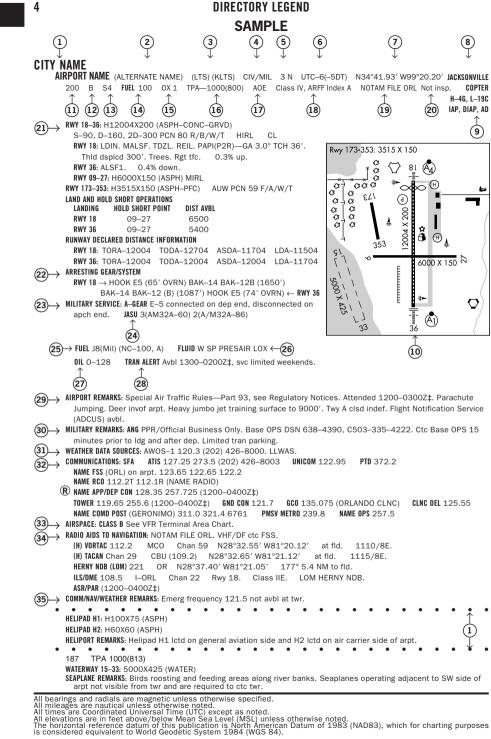
Supervisor of Flying

Seaplane Base

Strategic Expeditionary Landing Field

Spectrometric Oil Analysis Program

prior permission required



(10) SKETC	h legend
RUNWAYS/LANDING AREAS	radio aids to navigation
Hard Surfaced	VORTAC
Metal Surface	VOR/DME NDB
Sod, Gravel, etc.	TACAN NDB/DME
Light Plane,	MISCELLANEOUS AERONAUTICAL FEATURES
Closed	Airport Beacon
Helicopter Landings Area	Wind Cone
Displaced Threshold 0	Tetrahedron
Taxiway, Apron and Stopways	
	APPROACH LIGHTING SYSTEMS
MISCELLANEOUS BASE AND CULTURAL FEATURES	A dot "•" portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g. (A) Negative symbology, e.g.,
Buildings	vindicates Pilot Controlled Lighting (PCL).
Power Lines	Runway Centerline Lighting
Fence	Approach Lighting System ALSF-2
Towers	Approach Lighting System ALSF-1
Tanks	Short Approach Lighting System SALS/SALSF Simplified Short Approach Lighting System (SSALR) with RAIL
Oil Well	Medium Intensity Approach Lighting System (MALS and MALSF)/(SSALS
Smoke Stack	(A ₄) and SSALF)
Obstruction	System (MALSR) and RAIL
Controlling Obstruction	Lighting System (ODALS)
မြောင္းမွာ Trees	Air Force Overrun
Populated Places	Standard Threshold Clearance provided Pulsating Visual Approach Slope Indicator
Cuts and Fills Fill TITTITE	(PVASI) Visual Approach Slope Indicator with a threshold crossing height to accomodate long bodied or jumbo aircraft
Cliffs and Depressions	Tri-color Visual Approach Slope Indicator (TRCV)
Ditch	(TRCV) (§) Approach Path Alignment Panel (APAP)
Hill	P Precision Approach Path Indicator (PAPI)

LEGEND

This directory is a listing of data on record with the FAA on all open to the public airports, military facilities and selected private use facilities specifically requested by the Department of Defense (DoD) for which a DoD Instrument Approach

United States, Puerto Rico and the Virgin Islands. Joint civil/military and civil airports are listed alphabetically by state, associated city and airport name and cross-referenced by airport name. Military facilities are listed alphabetically by state and official airport name and cross-referenced by associated city name. Navaids, flight service stations and remote communication outlets that are associated with an airport, but with a different name, are listed alphabetically under their own name, as well

Procedure has been published in the U.S. Terminal Procedures Publication. Additionally this listing contains data for associated terminal control facilities, air route traffic control centers, and radio aids to navigation within the conterminous

as under the airport with which they are associated.

The listing of an open to the public airport in this directory merely indicates the airport operator's willingness to accommodate transient aircraft, and does not represent that the facility conforms with any Federal or local standards, or that it has been approved for use on the part of the general public. Military and private use facilities published in this directory are open to civil pilots only in an emergency or with prior permission. See Special Notice Section, Civil Use of Military Fields.

The information on obstructions is taken from reports submitted to the FAA. Obstruction data has not been verified in all

cases. Pilots are cautioned that objects not indicated in this tabulation (or on the airports sketches and/or charts) may exist which can create a hazard to flight operation. Detailed specifics concerning services and facilities tabulated within this directory are contained in the Aeronautical Information Manual, Basic Flight Information and ATC Procedures. The legend items that follow explain in detail the contents of this Directory and are keyed to the circled numbers on the

sample on the preceding pages. (1) CITY/AIRPORT NAME

same associated city name will be listed alphabetically by airport name and will be separated by a dashed rule line. A solid rule line will separate all others. FAA approved helipads and seaplane landing areas associated with a land airport will be

separated by a dotted line. Military airports are listed alphabetically by state and official airport name.

Civil and joint civil/military airports and facilities in this directory are listed alphabetically by state and associated city. Where the city name is different from the airport name the city name will appear on the line above the airport name. Airports with the

Alternate names, if any, will be shown in parentheses.

(3) LOCATION IDENTIFIER

The location identifier is a three or four character FAA code followed by a four-character ICAO code assigned to airports. ICAO codes will only be published at joint civil/military, and military facilities. If two different military codes are assigned, both

differentiate them from the letter "O".

(4) OPERATING AGENCY Airports within this directory are classified into two categories, Military/Federal Government and Civil airports open to the general public, plus selected private use airports. The operating agency is shown for military, private use and joint civil/military airports. The operating agency is shown by an abbreviation as listed below. When an organization is a tenant,

codes will be shown with the primary operating agency's code listed first. These identifiers are used by ATC in lieu of the airport name in flight plans, flight strips and other written records and computer operations. Zeros will appear with a slash to

the abbreviation is enclosed in parenthesis. No classification indicates the airport is open to the general public with no military tenant. US Army MC Marine Corps Α AFRC Air Force Reserve Command N Navv ΑF US Air Force NAF Naval Air Facility

ANG Air National Guard NAS Naval Air Station AR US Army Reserve NASA National Air and Space Administration ARNG US Army National Guard US Civil Airport Wherein Permit Covers CG US Coast Guard Use by Transient Military Aircraft CIV/MIL PVT Joint Use Civil/Military Private Use Only (Closed to the Public)

Department of National Defense Canada

(5) AIRPORT LOCATION

Airport location is expressed as distance and direction from the center of the associated city in nautical miles and cardinal points, e.g., 4 NE.

(6) TIME CONVERSION

DND

Hours of operation of all facilities are expressed in Coordinated Universal Time (UTC) and shown as "Z" time. The directory

indicates the number of hours to be subtracted from UTC to obtain local standard time and local daylight saying time UTC-5(-4DT). The symbol ‡ indicates that during periods of Daylight Saving Time effective hours will be one hour earlier than shown. In those areas where daylight saving time is not observed the (-4DT) and ‡ will not be shown. Daylight saving time is in

effect from 0200 local time the second Sunday in March to 0200 local time the first Sunday in November. Canada and all U.S. Conterminous States observe daylight saving time except Arizona and Puerto Rico, and the Virgin Islands. If the state observes daylight saving time and the operating times are other than daylight saving times, the operating hours will include

the dates, times and no ‡ symbol will be shown, i.e., April 15-Aug 31 0630-1700Z, Sep 1-Apr 14 0600-1700Z.

GEOGRAPHIC POSITION OF AIRPORT—AIRPORT REFERENCE POINT (ARP)

Positions are shown as hemisphere, degrees, minutes and hundredths of a minute and represent the approximate geometric center of all usable runway surfaces.

and airport name. (10) AIRPORT SKETCH

(11) ELEVATION

(13)

80

100

115

Α

A+

A1 +

10011

(14) FUEL CODE

sketches will be added incrementally.

(12) ROTATING LIGHT BEACON

SERVICING—CIVIL S1: Minor airframe repairs.

FUFI

40°C.

47° C.

minus 47°C.

FP** minus 50° C.

(8) CHARTS Charts refer to the Sectional Chart and Low and High Altitude Enroute Chart and panel on which the airport or facility is

(9) INSTRUMENT APPROACH PROCEDURES, AIRPORT DIAGRAMS

AIRPORT REMARKS or MILITARY REMARKS segment of the airport entry.

S2: Minor airframe and minor powerplant repairs.

S3: Major airframe and minor powerplant repairs.

S4: Major airframe and major powerplant repairs.

Grade 80 gasoline (Red)

specification) (Purple)

Grade 100 gasoline (Green)

100LL gasoline (low lead) (Blue)

Grade 115 gasoline (115/145 military

Jet A, Kerosene, without FS-II*, FP** minus

Jet A, Kerosene, with FS-II*, FP** minus

Jet A-1, Kerosene, without FS-II*, FP**

Jet A-1, Kerosene with FS-II*, FP** minus

Jet B, Wide-cut, turbine fuel without FS-II*,

IAP indicates an airport for which a prescribed (Public Use) FAA Instrument Approach Procedure has been published. DIAP

Manual 5-4-5 Instrument Approach Procedure Charts for additional information, AD indicates an airport for which an airport

Procedures. See the Special Notice Section of this directory, Civil Use of Military Fields and the Aeronautical Information

indicates an airport for which a prescribed DoD Instrument Approach Procedure has been published in the U.S. Terminal

depicted as GOMW and GOMC.

diagram has been published. Airport diagrams are located in the back of each A/FD volume alphabetically by associated city

The airport sketch, when provided, depicts the airport and related topographical information as seen from the air and should be used in conjunction with the text. It is intended as a guide for pilots in VFR conditions. Symbology that is not self-explanatory will be reflected in the sketch legend. The airport sketch will be oriented with True North at the top. Airport

The highest point of an airport's usable runways measured in feet from mean sea level. When elevation is sea level it will be

B indicates rotating beacon is available. Rotating beacons operate sunset to sunrise unless otherwise indicated in the

CODE

J4 (JP4)

J5 (JP5)

J8 (JP8)

18+100

MOGAS

B+

located. Helicopter Chart locations will be indicated as COPTER. IFR Gulf of Mexico West and IFR Gulf of Mexico Central will be

indicated as "00". When elevation is below sea level a minus "-" sign will precede the figure.

Data shown on fuel availability represents the most recent information the publisher has been able to acquire.

however, the grade/type and other octane rating will not be published.

Because of a variety of factors, the fuel listed may not always be obtainable by transient civil pilots. Confirmation of

*(Fuel System Icing Inhibitor) **(Freeze Point) NOTE:

availability of fuel should be made directly with fuel suppliers at locations where refueling is planned. (15) OXYGEN—CIVIL OX 1 High Pressure

OX 2 Low Pressure (16) TRAFFIC PATTERN ALTITUDE

OX 4 Low Pressure—Replacement Bottles

above airport elevation. Multiple TPA shall be shown as "TPA-See Remarks" and detailed information shall be shown in the

Traffic Pattern Altitude (TPA)—The first figure shown is TPA above mean sea level. The second figure in parentheses is TPA

Airport or Military Remarks Section. Traffic pattern data for USAF bases, USN facilities, and U.S. Army airports (including those on which ACC or U.S. Army is a tenant) that deviate from standard pattern altitudes shall be shown in Military Remarks.

NW. 23 SEP 2010 to 18 NOV 2010

OX 3 High Pressure—Replacement Bottles

Certain automobile gasoline may be used in specific aircraft engines if a FAA supplemental type certificate has been obtained. Automobile gasoline, which is to be used in aircraft engines, will be identified as "MOGAS",

S5: Major airframe repairs.

S7: Major powerplant repairs.

S8: Minor powerplant repairs.

FUFL

(JP-4 military specification) FP** minus (JP-5 military specification) Kerosene with

S6: Minor airframe and major powerplant repairs.

Jet B, Wide-cut, turbine fuel with FS-II*, FP**

FS-11, FP** minus 46°C.

minus 50° C.

(JP-8 military specification) Jet A-1, Kerosene with FS-II*, FP** minus 47°C.

(JP-8 military specification) Jet A-1, Kerosene

with FS-II*, FP** minus 47°C, with-fuel

additive package that improves thermo

stability characteristics of JP-8.

(Jet Fuel Type Unknown) Automobile gasoline which is to be used

as aircraft fuel.

(17) AIRPORT OF ENTRY, LANDING RIGHTS, AND CUSTOMS USER FEE AIRPORTS U.S. CUSTOMS USER FEE AIRPORT-Private Aircraft operators are frequently required to pay the costs associated with

customs processing.

AOE—Airport of Entry. A customs Airport of Entry where permission from U.S. Customs is not required to land. However, at

8

least one hour advance notice of arrival is required.

LRA—Landing Rights Airport. Application for permission to land must be submitted in advance to U.S. Customs. At least one

hour advance notice of arrival is required. NOTE: Advance notice of arrival at both an AOE and LRA airport may be included in the flight plan when filed in Canada or

Agriculture Department requirements in the International Flight Information Manual for further details.) US Customs Air and Sea Ports, Inspectors and Agents

Central Sector (Interior of the US, including Gulf states—MS, AL, LA)

Type of Air Carrier Operation

Aircraft Length

≥126'. <159'

≥126', <159'

≥159', <200'

≥159'. <200'

_____ >200'

≥200′

<126'

<90'

≥90′.

Scheduled Air Carrier Aircraft with 31 or more passenger seats Unscheduled Air Carrier Aircraft with 31 or more passengers seats

Scheduled Air Carrier Aircraft with 10 to 30 passenger seats

Southwest East Sector (OK and eastern TX)

Pacific Sector (WA, OR, CA, HI and AK)

Required

Νo.

Vehicles

1

1 or 2

2 or 3

3

3

contact airport manager prior to flight.

(19) NOTAM SERVICE

Airport

Index

C

D

Ε

will always carry an Index A.

Southwest West Sector (Western TX, NM and AZ)

(18) CERTIFICATED AIRPORT (14 CFR PART 139)

Mexico, Where Flight Notification Service (ADCUS) is available the airport remark will indicate this service. This notice will also be treated as an application for permission to land in the case of an LRA. Although advance notice of arrival may be relayed to

Airports serving Department of Transportation certified carriers and certified under 14 CFR part 139 are indicated by the Class and the ARFF Index; e.g. Class I, ARFF Index A, which relates to the availability of crash, fire, rescue equipment. Class I airports can have an ARFF Index A through E, depending on the aircraft length and scheduled departures. Class II, III, and IV

> 14 CFR PART 139 CERTIFICATED AIRPORTS AIRPORT CLASSIFICATIONS

14 CFR-PART 139 CERTIFICATED AIRPORTS INDICES AND AIRCRAFT RESCUE AND FIRE FIGHTING EQUIPMENT REQUIREMENTS

Scheduled

Departures

≥1

≥5

<5

≥5

<5

<5

≥5

NOTE: The listing of ARFF index does not necessarily assure coverage for non-air carrier operations or at other than prescribed times for air carrier. ARFF Index Ltd .- indicates ARFF coverage may or may not be available, for information

All public use landing areas are provided NOTAM "D" (distant dissemination) and NOTAM "L" (local dissemination) service. Airport NOTAM file identifier is shown for individual airports, e.g. "NOTAM FILE IAD". See AIM, Basic Flight Information and

NW. 23 SEP 2010 to 18 NOV 2010

> Greater Than; < Less Than; ≥ Equal or Greater Than; ≤ Equal or Less Than; H₂0-Water; DC-Dry Chemical.

for ensuring that Customs receives the notification. (See Customs, Immigration and Naturalization, Public Health and

407-975-1760

407-975-1840

407-975-1820

407-975-1800

Class II

Χ

Χ

Class III

Χ

Class IV

Х

Northeast Sector (New England and Atlantic States-ME to MD) 407-975-1740 Southeast Sector (Atlantic States-DC, WV, VA to FL) 407-975-1780

Class I

Χ

Agent + Water for Foam 500#DC or HALON 1211

or 450#DC + 100 gal H₂O

Index A + 1500 gal H₂O

Index A + 3000 gal H₂O

Index A + 4000 gal H₂O

Index A + 6000 gal H₂O

Customs through Mexico, Canada, and U.S. Communications facilities by flight plan, the aircraft operator is solely responsible

ATC Procedures for detailed description of NOTAM's, Current NOTAMs are available from Flight Service Stations at 1-800-WX-BRIEF. Real time Military NOTAMs are available using the DoD Internet NOTAM Distribution System (DINS) www.notams.ics.mil.

(20) FAA INSPECTION

All airports not inspected by FAA will be identified by the note: Not insp. This indicates that the airport information has been

provided by the owner or operator of the field.

(21) RUNWAY DATA

Runway information is shown on two lines. That information common to the entire runway is shown on the first line while information concerning the runway ends is shown on the second or following line. Runway direction, surface, length, width, weight bearing capacity, lighting, and slope, when available are shown for each runway. Multiple runways are shown with the longest runway first. Direction, length, width, and lighting are shown for sea-lanes. The full dimensions of helipads are shown.

e.g., 50X150. Runway data that requires clarification will be placed in the remarks section.

RUNWAY DESIGNATION

Runways are normally numbered in relation to their magnetic orientation rounded off to the nearest 10 degrees. Parallel runways can be designated L (left)/R (right)/C (center). Runways may be designated as Ultralight or assault strips. Assault strips are shown by magnetic bearing.

RIINWAY DIMENSIONS

Runway length and width are shown in feet. Length shown is runway end to end including displaced thresholds, but

excluding those areas designed as overruns. RUNWAY SURFACE AND LENGTH

asphalt-concrete). If the runway length is not prefixed, the surface is sod, clay, etc. The runway surface composition is

Runway lengths prefixed by the letter "H" indicate that the runways are hard surfaced (concrete, asphalt, or part

indicated in parentheses after runway length as follows:

(GRVL)-Gravel, or cinders

(MATS)—Pierced steel planking.

landing mats, membranes

RUNWAY WEIGHT BEARING CAPACITY

NEW DESCRIPTION

landing gear (KC10).

gear (B52).

landing gear (C5).

(PSP)-Pierced steel plank

(TURF)-Turf

Single wheel type landing gear (DC3), (C47), (F15), etc.

Two single wheels in tandem type landing gear (C130).

Two dual wheels in tandem type landing gear (B757,

Two dual wheels in tandem/dual wheel body gear type

Two dual wheels in tandem/two dual wheels in double tandem body gear type landing gear (B747, E4).

Complex dual wheel and quadruple wheel combination

Two dual wheels in tandem/two dual wheels in tandem body

Three dual wheels in tandem type landing gear (B777), etc.

Dual wheel gear two struts per side main gear type landing

Two triple wheels in tandem type landing gear (C17), etc.

Two dual wheels in tandem type landing gear (B707), etc.

Dual wheel type landing gear (P3, C9).

gear type landing gear (A340-600).

Dual wheel type landing gear (BE1900), (B737), (A319), etc.

(TRTD)-Treated

(WC)-Wire combed

(RFSC)-Rubberized friction seal coat

(PEM)—Part concrete, part asphalt

(PFC)-Porous friction courses

Runway strength data shown in this publication is derived from available information and is a realistic estimate of capability at

an average level of activity. It is not intended as a maximum allowable weight or as an operating limitation. Many airport

pavements are capable of supporting limited operations with gross weights in excess of the published figures. Permissible

operating weights, insofar as runway strengths are concerned, are a matter of agreement between the owner and user. When

desiring to operate into any airport at weights in excess of those published in the publication, users should contact the airport

NEW

S

D

2.5

2T

2D

2D

2D/D1

2D/2D1

2D/2D2

3D

D2

management for permission. Runway strength figures are shown in thousand of pounds, with the last three figures being

(AFSC)—Aggregate friction seal coat

(ASPH)—Asphalt

(DIRT)-Dirt

(CONC)—Concrete

(GRVD)-Grooved

omitted. Add 000 to figure following S, D, 2S, 2T, AUW, SWL, etc., for gross weight capacity. A blank space following the letter designator is used to indicate the runway can sustain aircraft with this type landing gear, although definite runway weight bearing capacity figures are not available, e.g., S, D. Applicable codes for typical gear configurations with S=Single, D=Dual,

T=Triple and Q=Quadruple: CURRENT S D

Т

ST

TRT DT

TT SBTT

None

TTT TT TDT

DDT

NW. 23 SEP 2010 to 18 NOV 2010

and Single Isolated Wheel Loading). PSI-Pounds per square inch. PSI is the actual figure expressing maximum pounds per square inch runway will support, e.g., (SWL 000/PSI 535).

AUW—All up weight. Maximum weight bearing capacity for any aircraft irrespective of landing gear configuration. SWL—Single Wheel Loading. (This includes information submitted in terms of Equivalent Single Wheel Loading (ESWL)

Omission of weight bearing capacity indicates information unknown.

The ACN/PCN System is the ICAO standard method of reporting pavement strength for pavements with bearing strengths greater than 12,500 pounds. The Pavement Classification Number (PCN) is established by an engineering assessment of the runway. The PCN is for use in conjunction with an Aircraft Classification Number (ACN). Consult the Aircraft Flight Manual, Flight Information Handbook, or other appropriate source for ACN tables or charts. Currently, ACN data may not be available

for all aircraft. If an ACN table or chart is available, the ACN can be calculated by taking into account the aircraft weight, the pavement type, and the subgrade category. For runways that have been evaluated under the ACN/PCN system, the PCN will be shown as a five-part code (e.g. PCN 80 R/B/W/T). Details of the coded format are as follows: (1) The PCN NUMBER—The reported PCN indicates that an

aircraft with an ACN equal or less than the reported PCN

can operate on the pavement subject to any limitation on

- the tire pressure. (2) The type of pavement:
- R Rigid F - Flexible (3) The pavement subgrade category:
- A High
- - B Medium
 - C Low D — Ultra-low

NOTE: Prior permission from the airport controlling authority is required when the ACN of the aircraft exceeds the published PCN or aircraft tire pressure exceeds the published limits. RUNWAY LIGHTING

- airport remarks or military service. Temporary, emergency or limited runway edge lighting such as flares, smudge pots, lanterns or portable runway lights will also be shown in airport remarks or military service. Types of lighting are shown with the runway or runway end they serve.
- NSTD-Light system fails to meet FAA standards. LIRL-Low Intensity Runway Lights.
- MIRL-Medium Intensity Runway Lights. HIRL—High Intensity Runway Lights.
- RAIL—Runway Alignment Indicator Lights.
- REIL—Runway End Identifier Lights.
- CL-Centerline Lights.
- TDZL-Touchdown Zone Lights.
- ODALS-Omni Directional Approach Lighting System.
- AF OVRN-Air Force Overrun 1000' Standard

which they are tenants.

- Approach Lighting System.
- LDIN-Lead-In Lighting System.
- MALS-Medium Intensity Approach Lighting System.
- Sequenced Flashing Lights.
- MALSR-Medium Intensity Approach Lighting System with
- Runway Alignment Indicator Lights.
- NOTE: Civil ALSF2 may be operated as SSALR during favorable weather conditions. When runway edge lights are positioned
- more than 10 feet from the edge of the usable runway surface a remark will be added in the "Remarks" portion of the airport
- MALSF-Medium Intensity Approach Lighting System with

Lights are in operation sunset to sunrise. Lighting available by prior arrangement only or operating part of the night and/or pilot controlled lighting with specific operating hours are indicated under airport or military remarks. At USN/USMC facilities lights are available only during airport hours of operation. Since obstructions are usually lighted, obstruction lighting is not included in this code. Unlighted obstructions on or surrounding an airport will be noted in airport or military remarks. Runway lights nonstandard (NSTD) are systems for which the light fixtures are not FAA approved L-800 series: color, intensity, or spacing does not meet FAA standards. Nonstandard runway lights, VASI, or any other system not listed below will be shown in

- ALSF1—High Intensity Approach Lighting System with Se-ALSF2-High Intensity Approach Lighting System with Se-
- - quenced Flashing Lights, Category II, Configuration. SF—Sequenced Flashing Lights. OLS—Optical Landing System.
 - WAVE-OFF.

entry. This is applicable to Air Force, Air National Guard and Air Force Reserve Bases, and those joint civil/military airfields on

SALS—Short Approach Lighting System.

Flashing Lights.

SALSF—Short Approach Lighting System with Sequenced

SSALS—Simplified Short Approach Lighting System.

Runway Alignment Indicator Lights.

ALSAF—High Intensity Approach Lighting System with

Sequenced Flashing Lights.

SSALF—Simplified Short Approach Lighting System with Sequenced Flashing Lights.

SSALR—Simplified Short Approach Lighting System with

quenced Flashing Lights, Category I, Configuration.

(4) The maximum tire pressure authorized for the pavement:

U — By experience of aircraft using the pavement

W - High, no limit

X — Medium, limited to 217 psi

Z - Very low, limited to 73 psi

Y - Low, limited to 145 psi

(5) Pavement evaluation method:

T — Technical evaluation

VISUAL GLIDESLOPE INDICATORS

P4R

PSIR

S2R

TRIR

V6I

V6R

V12

V16

Highest intensity available

Medium or lower intensity (Lower REIL or REIL-Off)

Lowest intensity available (Lower REIL or REIL-Off)

runwav

APAP on right side of runway

PVASI on right side of runway

TRCV on right side of runway

6-box VASI on left side of runway

6-box VASI on right side of runway

12-box VASI on both sides of runway

16-box VASI on both sides of runway

2-box SAVASI on right side of runway

4-identical light units placed on left side of

4-identical light units placed on right side of

APAP—A system of panels, which may or may not be lighted, used for alignment of approach path.

PNIR

PNIL APAP on left side of runway

TRCV—Tri-color visual approach slope indicator, normally a single light unit projecting three colors.

or down) on the runway end line, e.g., RWY 13: 0.3% up., RWY 21: Pole. Rgt tfc. 0.4% down.

Measured distance represents the available landing distance on the landing runway, in feet.

Aeronautical Information Manual contains specific details on hold-short operations and markings.

PAPI—Precision Approach Path Indicator

PVASI on left side of runway

TRCV on left side of runway

2-box VASI on left side of runway

2-box VASI on right side of runway

4-box VASI on left side of runway

4-box VASI on right side of runway

VASI-Visual Approach Slope Indicator

SAVASI—Simplified Abbreviated Visual Approach Slope Indicator

2-box SAVASI on left side of runway

P2R

S2L

TRII

V2L

V2R

V4L

V4R

Key Mike 7 times within 5 seconds

5 times within 5 seconds

3 times within 5 seconds

VASI Rwy 07-122.8.

take-off.

aeroplane landing.

(22) ARRESTING GEAR/SYSTEMS

and takeoff for specified runway end.

P4I P2L 2-identical light units placed on left side of 2-identical light units placed on right side of

PVASI—Pulsating/steady burning visual approach slope indicator, normally a single light unit projecting two colors.

NOTE: Approach slope angle and threshold crossing height will be shown when available; i.e., -GA 3.5° TCH 37'. PILOT CONTROL OF AIRPORT LIGHTING

Available systems will be indicated in the airport or military remarks, e.g., ACTIVATE HIRL Rwy 07-25, MALSR Rwy 07, and

Where the airport is not served by an instrument approach procedure and/or has an independent type system of different specification installed by the airport sponsor, descriptions of the type lights, method of control, and operating frequency will be explained in clear text. See AIM, "Basic Flight Information and ATC Procedures," for detailed description of pilot control of airport **RUNWAY SLOPE** When available, runway slope data will only be provided for those airports with an approved FAA instrument approach procedure. Runway slope will be shown only when it is 0.3 percent or greater. On runways less than 8000 feet, the direction of the slope up will be indicated, e.g., 0.3% up NW. On runways 8000 feet or greater, the slope will be shown (up

RUNWAY END DATA Information pertaining to the runway approach end such as approach lights, touchdown zone lights, runway end identification lights, visual glideslope indicators, displaced thresholds, controlling obstruction, and right hand traffic pattern, will be shown on the specific runway end. "Rgt tfc"-Right traffic indicates right turns should be made on landing

LAND AND HOLD SHORT OPERATIONS (LAHSO) LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The

RUNWAY DECLARED DISTANCE INFORMATION TORA—Take-off Run Available. The length of runway declared available and suitable for the ground run of an aeroplane

Arresting gear is shown as it is located on the runway. The a-gear distance from the end of the appropriate runway (or into the overrun) is indicated in parentheses. A-Gear which has a bi-direction capability and can be utilized for emergency approach end engagement is indicated by a (B). The direction of engaging device is indicated by an arrow. Up to 15 minutes advance notice may be required for rigging A-Gear for approach and engagement. Airport listing may show availability of other than US Systems. This information is provided for emergency requirements only. Refer to current aircraft operating manuals for specific

TODA—Take-off Distance Available. The length of the take-off run available plus the length of the clearway, if provided. ASDA—Accelerate-Stop Distance Available. The length of the take-off run available plus the length of the stopway, if provided. LDA-Landing Distance Available. The length of runway which is declared available and suitable for the ground run of an

engagement weight and speed criteria based on aircraft structural restrictions and arresting system limitations. Following is a list of current systems referenced in this publication identified by both Air Force and Navy terminology:

BI-DIRECTIONAL CABLE (B) DESCRIPTION BAK-9 Rotary friction brake. Standard BAK-12 with 950 foot run out, 1-inch cable and 40,000 pound weight setting. Rotary

BAK-12A BAK-12B Extended BAK-12 with 1200 foot run, 11/4 inch Cable and 50,000 pounds weight setting. Rotary

12

E28

M21

BAK-14

friction brake. Rotary Hydraulic (Water Brake).

Rotary Hydraulic (Water Brake) Mobile. The following device is used in conjunction with some aircraft arresting systems:

> for engagement by the tower on request. (In addition to personnel reaction time, the system requires up to five seconds to fully raise the cable.)

DIRECTORY LEGEND

A device that raises a hook cable out of a slot in the runway surface and is remotely positioned

A device that raises a hook cable out of a slot in the runway surface and is remotely positioned

for engagement by the tower on request. (In addition to personnel reaction time, the system

requires up to one and one-half seconds to fully raise the cable.)

UNI-DIRECTIONAL CABLE

TYPE DESCRIPTION

MB60 Textile brake—an emergency one-time use, modular braking system employing the tearing of

E5/E5-1/E5-3

specially woven textile straps to absorb the kinetic energy. Chain Type. At USN/USMC stations E-5 A-GEAR systems are rated, e.g., E-5 RATING-13R-1100

HW (DRY), 31L/R-1200 STD (WET). This rating is a function of the A-GEAR chain weight and

length and is used to determine the maximum aircraft engaging speed. A dry rating applies to a

stabilized surface (dry or wet) while a wet rating takes into account the amount (if any) of wet

overrun that is not capable of withstanding the aircraft weight. These ratings are published under

Military Service.

FOREIGN CABLE

DESCRIPTION US EQUIVALENT Rotary Hydraulic)

TYPE 44B-3H (Water Brake)

CHAG Chain F-5

UNI-DIRECTIONAL BARRIER

Web barrier between stanchions attached to a chain energy absorber.

TYPE MA-1A BAK-15

Web barrier between stanchions attached to an energy absorber (water squeezer, rotary friction, chain). Designed for wing engagement. NOTE: Landing short of the runway threshold on a runway with a BAK-15 in the underrun is a significant hazard. The barrier

in the down position still protrudes several inches above the underrun. Aircraft contact with the barrier short of the runway

threshold can cause damage to the barrier and substantial damage to the aircraft. OTHER

DESCRIPTION

TYPE

EMAS Engineered Material Arresting System, located beyond the departure end of the runway, consisting of

high energy absorbing materials which will crush under the weight of an aircraft.

(23) MILITARY SERVICE Specific military services available at the airport are listed under this general heading. Remarks applicable to any military service are shown in the individual service listing.

24) JET AIRCRAFT STARTING UNITS (JASU) The numeral preceding the type of unit indicates the number of units available. The absence of the numeral indicates ten

or more units available. If the number of units is unknown, the number one will be shown. Absence of JASU designation indicates non-availability.

The following is a list of current JASU systems referenced in this publication:

USAF JASU (For variations in technical data, refer to T.O. 35-1-7.)

ELECTRICAL STARTING UNITS: A/M32A-86 MC-1A MD-3 MD-3A

MD-3M

NW. 23 SEP 2010 to 18 NOV 2010

AC: 115/200v, 3 phase, 90 kva, 0.8 pf, 4 wire DC: 28v, 1500 amp, 72 kw (with TR pack)

DC: 28v, 500 amp, 14 kw

DC: 28v, 500 amp, 15 kw

DC: 28v, 1500 amp, 45 kw, split bus

DC: 28v, 1500 amp, 45 kw, split bus

AC: 115/208v, 400 cycle, 3 phase, 37.5 kva, 0.8 pf, 108 amp, 4 wire

AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire

AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire

AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire

13 DIRECTORY LEGEND MD-4 AC: 120/208v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 175 amp, "WYE" neutral ground, 4 wire, 120v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 303 amp, "DELTA" 3 wire, 120v, 400 cycle, 1 phase, 62.5 kva. 0.8 pf. 520 amp. 2 wire AIR STARTING UNITS AM32-95 150 + -5 lb/min (2055 + -68 cfm) at 51 + -2 psia AM32A-95 150 + -5 lb/min @ 49 + -2 psia (35 + -2 psig) LASS 150 +/- 5 lb/min @ 49 +/- 2 psia 82 lb/min (1123 cfm) at 130° air inlet temp, 45 psia (min) air outlet press MA-1A MC-1 15 cfm, 3500 psia MC-1A 15 cfm, 3500 psia MC-2A 15 cfm, 200 psia

COMBINED AIR AND ELECTRICAL STARTING UNITS: AM32A-60*

AM32A-60A

AM32A-60B*

USN JASU

NC-8A/A1

NC-10A/A1/B/C

WELLS AIR START

NCPP-105/RCPT

JASU (ARMY) 59B2-1B

OTHER JASU

CF12

CF13 CF14

CF15

CF16

CFA1

C - 26

E3

A4

MA-1

MA-2CARTRIDGE: MXU-4A

C-26-B, C-26-C

SYSTEM

AIR STARTING UNITS: GTC-85/GTE-85

MSU-200NAV/A/U47A-5

COMBINED AIR AND ELECTRICAL STARTING UNITS:

COMBINED AIR AND ELECTRICAL STARTING UNITS (DND)

ELECTRICAL STARTING UNITS (DND):

ELECTRICAL STARTING UNITS (OTHER)

AIR STARTING UNITS (DND):

AIR STARTING UNITS (OTHER):

30 kva.

electrical power available.

ELECTRICAL STARTING UNITS:

MC-11

AC: 115/200v, 400 cycle, 3 phase, 30 kw gen

DC: 28v, 700 amp AIR: 60 lb/min @ 40 psig @ sea level

AIR: 120 + -4 lb/min (1644 + -55 cfm) at 49 + -2 psiaAC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire, 120v, 1 phase, 25 kva DC: 28v, 500 amp, 15 kw AIR: 150 + -5 lb/min (2055 + -68 cfm at 51 + - psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v, 200 amp, 5.6 kw

AIR: 130 lb/min, 50 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v. 200 amp. 5.6 kw

120 lbs/min @ 45 psi.

28v, 7.5 kw, 280 amp.

ASA 45.5 psig, 116.4 lb/min

AIR 112.5 lb/min, 47 psig

150 Air HP, 115 lb/min 50 psia

250 Air HP, 150 lb/min 75 psia

DC 28v/10kw

USAF

204 lbs/min @ 56 psia.

8,000 cu in cap, 4000 psig, 15 cfm

DC: 500 amp constant, 750 amp intermittent, 28v; AC: 60 kva @ .8 pf, 115/200v, 3 phase, 400 Hz. DC: 750 amp constant, 1000 amp intermittent, 28v;

AC: 90 kva, 115/200v, 3 phase, 400 Hz.

AC 115/200v, 140 kva, 400 Hz, 3 phase AC 115/200v, 60 kva, 400 Hz, 3 phase

AC/DC 115/200v, 140 kva, 400 Hz, 3 phase, 28vDC, 1500 amp

DC 22-35v, 500 amp continuous 1100 amp intermittent DC 22-35v, 500 amp continuous 1100 amp intermittent soft start

AC 120/208v, 60 kva, 400 Hz, 3 phase DC 28v, 75 amp

28v 45kw 115-200v 15kw 380-800 Hz 1 phase 2 wire

40 psi/2 lb/sec (LPAS Mk12, Mk12L, Mk12A, Mk1, Mk2B)

NW. 23 SEP 2010 to 18 NOV 2010

28v 45kw: Split Bus: 115-200v 15kw 380-800 Hz 1 phase 2 wire

*NOTE: During combined air and electrical loads, the pneumatic circuitry takes preference and will limit the amount of

180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. Simultaneous multiple start capability. 180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. 700 amp, 28v DC. 120/208v, 400 Hz AC,

Military fuel should be used first if it is available. When military fuel cannot be obtained but Into-Plane contract fuel is

Form 1897 (Avgas) and AF Form 1245 (Avgas) are used at military installations only. The US Government Aviation Into-Plane Reimbursement (AIR) Card (currently issued by AVCARD) is the instrument to be used to obtain fuel under a DESC Into-Plane Contract and for NC purchases if the refueling agent at the commercial airport accepts the AVCARD. A current list of contract fuel locations is available online at www.desc.dla.mil/Static/ProductsAndServices.asp; click on the Commercial Airports

(25) FUEL—MILITARY

14

De-Ice

UXACEN. LPOX

HPOX

Fuel available through US Military Base supply, DESC Into-Plane Contracts and/or reciprocal agreement is listed first and is followed by (Mil). At commercial airports where Into-Plane contracts are in place, the name of the refueling agent is shown.

available, Government aircraft must refuel with the contract fuel and applicable refueling agent to avoid any breach in contract terms and conditions. Fuel not available through the above is shown preceded by NC (no contract). When fuel is obtained from NC sources, local purchase procedures must be followed. The US Military Aircraft Identaplates DD Form 1896 (Jet Fuel), DD

SP Air Compressors rated 3,000 PSI or more. PRESAIR Anti-icing/De-icing/Defrosting Fluid (MIL-A-8243).

(26) SUPPORTING FLUIDS AND SYSTEMS—MILITARY

See legend item 14 for fuel code and description.

CODE

ADI Anti-Detonation Injection Fluid-Reciprocating Engine Aircraft.

Single Point Refueling.

WΔI

W Water Thrust Augmentation-Jet Aircraft. Water-Alcohol Injection Type, Thrust Augmentation-Jet Aircraft.

LHOX Low and high pressure oxygen servicing. Liquid oxygen servicing. LOX **OXRB** Oxygen replacement bottles. (Maintained primarily at Naval stations for use in acft where oxygen can be

replenished only by replacement of cylinders.) ΩX

Low pressure oxygen servicing.

High pressure oxygen servicing.

Indicates oxygen servicing when type of servicing is unknown.

NOTE: Combinations of above items is used to indicate complete oxygen servicing available:

LHOXRB Low and high pressure oxygen servicing and replacement bottles:

Low pressure oxygen replacement bottles only, etc. **LPOXRB**

NOTE: Aircraft will be serviced with oxygen procured under military specifications only. Aircraft will not be serviced with medical oxygen.

NITROGEN: LPNIT - Low pressure nitrogen servicing.

HPNIT — High pressure nitrogen servicing. LHNIT - Low and high pressure nitrogen servicing.

(27) OIL—MILITARY



US AVIATION OILS (MIL SPECS):

CODE GRADE, TYPE

1065, Reciprocating Engine Oil (MIL-L-6082) 0 - 113

1100, Reciprocating Engine Oil (MIL-L-6082) 0 - 117

0-117+ 1100, 0-117 plus cyclohexanone (MIL-L-6082)

0 - 123

1065, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type III)

0 - 128

1100, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type II)

0 - 132

1005, Jet Engine Oil (MIL-L-6081)

0 - 1331010, Jet Engine Oil (MIL-L-6081)

0 - 147None, MIL-L-6085A Lubricating Oil, Instrument, Synthetic

0 - 148None, MIL-L-7808 (Synthetic Base) Turbine Engine Oil

0 - 149None, Aircraft Turbine Engine Synthetic, 7.5c St

0 - 155None, MIL-L-6086C, Aircraft, Medium Grade 0 - 156None, MIL-L-23699 (Synthetic Base), Turboprop and Turboshaft Engines JOAP/SOAP Joint Oil Analysis Program. JOAP support is furnished during normal duty hours, other times on request.

(JOAP and SOAP programs provide essentially the same service, JOAP is now the standard joint service supported program.)

(28) TRANSIENT ALERT (TRAN ALERT)—MILITARY Tran Alert service is considered to include all services required for normal aircraft turn-around, e.g., servicing (fuel, oil,



oxygen, etc.), debriefing to determine requirements for maintenance, minor maintenance, inspection and parking

assistance of transient aircraft. Drag chute repack, specialized maintenance, or extensive repairs will be provided within the capabilities and priorities of the base. Delays can be anticipated after normal duty hours/holidays/weekends

operated exclusively by US military, the servicing indicated by the remarks will not always be available for US military

regardless of the hours of transient maintenance operation. Pilots should not expect aircraft to be serviced for TURN-AROUNDS during time periods when servicing or maintenance manpower is not available. In the case of airports not aircraft. When transient alert services are not shown, facilities are unknown. NO PRIORITY BASIS—means that transient alert services will be provided only after all the requirements for mission/tactical assigned aircraft have been

(29) AIRPORT REMARKS

accomplished.

The Attendance Schedule is the months, days and hours the airport is actually attended. Airport attendance does not mean watchman duties or telephone accessibility, but rather an attendant or operator on duty to provide at least minimum services (e.g., repairs, fuel, transportation). Airport Remarks have been grouped in order of applicability. Airport remarks are limited to those items of information that are

determined essential for operational use, i.e., conditions of a permanent or indefinite nature and conditions that will remain in effect for more than 30 days concerning aeronautical facilities, services, maintenance available, procedures or hazards, knowledge of which is essential for safe and efficient operation of aircraft, Information concerning permanent closing of a runway or taxiway will not be shown. A note "See Special Notices" shall be applied within this remarks section when a special notice applicable to the entry is contained in the Special Notices section of this publication. Parachute Jumping indicates parachute jumping areas associated with the airport. See Parachute Jumping Area section of this publication for additional Information.

Landing Fee indicates landing charges for private or non-revenue producing aircraft. In addition, fees may be charged for

planes that remain over a couple of hours and buy no services, or at major airline terminals for all aircraft.

Note: Unless otherwise stated, remarks including runway ends refer to the runway's approach end.

(30) MILITARY REMARKS Military Remarks published at a joint Civil/Military facility are remarks that are applicable to the Military. At Military

Facilities all remarks will be published under the heading Military Remarks. Remarks contained in this section may not be applicable to civil users. The first group of remarks is applicable to the primary operator of the airport. Remarks applicable to a tenant on the airport are shown preceded by the tenant organization, i.e., (A) (AF) (N) (ANG), etc. Military airports operate 24 hours unless otherwise specified. Airport operating hours are listed first (airport operating hours will only be listed if they are different than the airport attended hours or if the attended hours are unavailable) followed by pertinent

remarks in order of applicability. Remarks will include information on restrictions, hazards, traffic pattern, noise abatement, customs/agriculture/immigration, and miscellaneous information applicable to the Military.

Type of restrictions: CLOSED: When designated closed, the airport is restricted from use by all aircraft unless stated otherwise. Any closure applying to specific type of aircraft or operation will be so stated. USN/USMC/USAF airports are considered closed during non-operating hours. Closed airports may be utilized during an emergency provided there is a safe landing area. OFFICIAL BUSINESS ONLY: The airfield is closed to all transient military aircraft for obtaining routine services such as

fueling, passenger drop off or pickup, practice approaches, parking, etc. The airfield may be used by aircrews and aircraft if official government business (including civilian) must be conducted on or near the airfield and prior permission is received from the airfield manager. AF OFFICIAL BUSINESS ONLY OR NAVY OFFICIAL BUSINESS ONLY: Indicates that the restriction applies only to service indicated

PRIOR PERMISSION REQUIRED (PPR): Airport is closed to transient aircraft unless approval for operation is obtained from the appropriate commander through Chief, Airfield Management or Airfield Operations Officer. Official Business or PPR does not preclude the use of US Military airports as an alternate for IFR flights. If a non-US military airport is used as a weather alternate and requires a PPR, the PPR must be requested and confirmed before the flight departs. The purpose of

PPR is to control volume and flow of traffic rather than to prohibit it. Prior permission is required for all aircraft requiring transient alert service outside the published transient alert duty hours. All aircraft carrying hazardous materials must

Note: OFFICIAL BUSINESS ONLY AND PPR restrictions are not applicable to Special Air Mission (SAM) or Special Air Resource (SPAR) aircraft providing person or persons on aboard are designated Code 6 or higher as explained in AFJMAN 11-213, AR 95-11, OPNAVINST 3722-8J. Official Business Only or PPR do not preclude the use of the airport as an alternate for IFR flights.

(31) WEATHER DATA SOURCES

Weather data sources will be listed alphabetically followed by their assigned frequencies and/or telephone number and hours of operation. ASOS—Automated Surface Observing System. Reports the same as an AWOS-3 plus precipitation identification and intensity,

and freezing rain occurrence (future enhancement). AWOS—Automated Weather Observing System

AWOS-A—reports altimeter setting (all other information is advisory only). AWOS-1—reports altimeter setting, wind data and usually temperature, dewpoint and density altitude.

obtain prior permission as outlined in AFJI 11-204, AR 95-27, OPNAVINST 3710.7.

AWOS-2—reports the same as AWOS-1 plus visibility.

AWOS-3—reports the same as AWOS-1 plus visibility and cloud/ceiling data. See AIM, Basic Flight Information and ATC Procedures for detailed description of AWOS.

LAWRS-Limited Aviation Weather Reporting Station where observers report cloud height, weather, obstructions to vision,

LLWAS—indicates a Low Level Wind Shear Alert System consisting of a center field and several field perimeter anemometers. SAWRS-identifies airports that have a Supplemental Aviation Weather Reporting Station available to pilots for current

is not the same as the airport name the call sign will be shown. Frequencies shall normally be shown in descending order with the primary frequency listed first. Frequencies will be listed, together with sectorization indicated by outbound radials,

Single Frequency Approach (SFA), Common Traffic Advisory Frequency (CTAF), Automatic Terminal Information Service (ATIS) and Aeronautical Advisory Stations (UNICOM) or (AUNICOM) along with their frequency is shown, where available, on the line following the heading "COMMUNICATIONS." When the CTAF and UNICOM frequencies are the same, the frequency will

The FSS telephone nationwide is toll free 1-800-WX-BRIEF (1-800-992-7433). When the FSS is located on the field it will be indicated as "on arpt". Frequencies available at the FSS will follow in descending order. Remote Communications Outlet (RCO) providing service to the airport followed by the frequency and FSS RADIO name will be shown when available. FSS's provide information on airport conditions, radio aids and other facilities, and process flight plans. Airport Advisory Service (AAS) is provided on the CTAF by FSS's for select non-tower airports or airports where the tower is not in operation.

Aviation weather briefing service is provided by FSS specialists. Flight and weather briefing services are also available by

Remote Communications Outlet (RCO)-An unmanned air/ground communications facility that is remotely controlled and

Civil Communications Frequencies-Civil communications frequencies used in the FSS air/ground system are operated on

(See AIM, Para 4-1-9 Traffic Advisory Practices at Airports Without Operating Control Towers or AC 90-42C.)

a. 122.0 is assigned as the Enroute Flight Advisory Service frequency at selected FSS RADIO outlets.

16 HIWAS-See RADIO AIDS TO NAVIGATION

temperature and dewpoint (in most cases), surface wind, altimeter and pertinent remarks.

be indicated by a bold ASOS, AWOS, or HIWAS followed by the frequency, identifier and phone number, if available.

SWSL—Supplemental Weather Service Location providing current local weather information via radio and telephone. TDWR—indicates airports that have Terminal Doppler Weather Radar. WSP-indicates airports that have Weather System Processor.

When the automated weather source is broadcast over an associated airport NAVAID frequency (see NAVAID line), it shall

Airport terminal control facilities and radio communications associated with the airport shall be shown. When the call sign

be shown as CTAF/UNICOM 122.8.

calling the telephone numbers listed.

weather information.

(32) COMMUNICATIONS

and hours of operation. Communications will be listed in sequence as follows:

b. 122.2 is assigned as a common enroute frequency. c. 123.6 is assigned as the airport advisory frequency at select non-tower locations. At airports with a tower, FSS may provide airport advisories on the tower frequency when tower is closed. d. 122.1 is the primary receive-only frequency at VOR's. e. Some FSS's are assigned 50 kHz frequencies in the 122-126 MHz band (eg. 122.45). Pilots using the FSS A/G

122.0, 122.2, 123.6; emergency 121.5; plus receive-only on 122.1.

system should refer to this directory or appropriate charts to determine frequencies available at the FSS or remoted

facility through which they wish to communicate.

Emergency frequency 121.5 and 243.0 are available at all Flight Service Stations, most Towers, Approach Control and RADAR facilities. Frequencies published followed by the letter "T" or "R", indicate that the facility will only transmit or receive respectively on

that frequency. All radio aids to navigation (NAVAID) frequencies are transmit only. TERMINAL SERVICES

SFA—Single Frequency Approach.

CTAF-A program designed to get all vehicles and aircraft at airports without an operating control tower on a common

D-ATIS—Digital ATIS provides ATIS information in text form outside the standard reception range of conventional ATIS via landline & data link communications and voice message within range of existing transmitters.

provides UHF or VHF communications capability to extend the service range of an FSS.

ATIS—A continuous broadcast of recorded non-control information in selected terminal areas.

AUNICOM—Automated UNICOM is a computerized, command response system that provides automated weather, radio check capability and airport advisory information selected from an automated menu by microphone clicks.

UNICOM—A non-government air/ground radio communications facility which may provide airport information. PTD-Pilot to Dispatcher.

APP CON—Approach Control. The symbol (\mathbf{R}) indicates radar approach control.

GCA-Ground Control Approach System.

TOWER-Control tower.

GND CON-Ground Control.

GCO-Ground Communication Outlet-An unstaffed, remotely controlled, ground/ground communications facility. Pilots at uncontrolled airports may contact ATC and FSS via VHF to a telephone connection to obtain an instrument clearance or close a

VFR or IFR flight plan. They may also get an updated weather briefing prior to takeoff. Pilots will use four "key clicks" on the

DEP CON—Departure Control. The symbol (R) indicates radar departure control. CLNC DEL-Clearance Delivery. PRE TAXLCI NC-Pre taxi clearance

VFR ADVSY SVC-VFR Advisory Service. Service provided by Non-Radar Approach Control.

Advisory Service for VFR aircraft (upon a workload basis) ctc APP CON.

COMD POST—Command Post followed by the operator call sign in parenthesis.

PMSV-Pilot-to-Metro Service call sign, frequency and hours of operation, when full service is other than continuous.

PMSV installations at which weather observation service is available shall be indicated, following the frequency and/or

hours of operation as "Wx obsn svc 1900-0000Z‡" or "other times" may be used when no specific time is given. PMSV

facilities manned by forecasters are considered "Full Service". PMSV facilities manned by weather observers are listed as

"Limited Service". OPS—Operations followed by the operator call sign in parenthesis.

CON RANGE

FLT FLW-Flight Following

MEDIVAC

NOTE: Communication frequencies followed by the letter "X" indicate frequency available on request.

(33) AIRSPACE

Information concerning Class B, C, and part-time D and E surface area airspace shall be published with effective times. Class D and E surface area airspace that is continuous as established by Rulemaking Docket will not be shown.

CLASS B-Radar Sequencing and Separation Service for all aircraft in CLASS B airspace.

CLASS C—Separation between IFR and VFR aircraft and sequencing of VFR arrivals to the primary airport.

TRSA—Radar Sequencing and Separation Service for participating VFR Aircraft within a Terminal Radar Service Area.

Class C, D, and E airspace described in this publication is that airspace usually consisting of a 5 NM radius core surface

area that begins at the surface and extends upward to an altitude above the airport elevation (charted in MSL for Class C

and Class D). Class E surface airspace normally extends from the surface up to but not including the overlying controlled

airspace.

When part-time Class C or Class D airspace defaults to Class E, the core surface area becomes Class E. This will be formatted as:

AIRSPACE: CLASS C svc "times" ctc APP CON other times CLASS E:

AIRSPACE: CLASS D svc "times" other times CLASS E. When a part-time Class C, Class D or Class E surface area defaults to Class G, the core surface area becomes Class G up

to, but not including, the overlying controlled airspace. Normally, the overlying controlled airspace is Class E airspace beginning at either 700' or 1200' AGL. This will be formatted as:

AIRSPACE: CLASS C svc "times" ctc APP CON other times CLASS G, with CLASS E 700' (or 1200') AGL & abv:

AIRSPACE: CLASS D svc "times" other times CLASS G with CLASS E 700' (or 1200') AGL & abv:

AIRSPACE: CLASS E svc "times" other times CLASS G with CLASS E 700' (or 1200') AGL & abv.

NOTE: AIRSPACE SVC "TIMES" INCLUDE ALL ASSOCIATED ARRIVAL EXTENSIONS. Surface area arrival extensions for instrument approach

procedures become part of the primary core surface area. These extensions may be either Class D or Class E airspace and

are effective concurrent with the times of the primary core surface area. For example, when a part-time Class C, Class D or

Class E surface area defaults to Class G, the associated arrival extensions will default to Class G at the same time. When

a part-time Class C or Class D surface area defaults to Class E, the arrival extensions will remain in effect as Class E

NOTE: CLASS E AIRSPACE EXTENDING UPWARD FROM 700 FEET OR MORE ABOVE THE SURFACE. DESIGNATED IN CONJUNCTION WITH AN AIRPORT WITH AN

APPROVED INSTRUMENT PROCEDURE.

Class E 700' AGL (shown as magenta vignette on sectional charts) and 1200' AGL (blue vignette) areas are designated when necessary to provide controlled airspace for transitioning to/from the terminal and enroute environments. Unless

otherwise specified, these 700'/1200' AGL Class E airspace areas remain in effect continuously, regardless of airport

operating hours or surface area status. These transition areas should not be confused with surface areas or arrival

extensions.

(See Chapter 3, AIRSPACE, in the Aeronautical Information Manual for further details)

NW. 23 SEP 2010 to 18 NOV 2010

(34) RADIO AIDS TO NAVIGATION

Class Frequency

SSV Class

18

NAVAID information is tabulated as indicated in the following sample:

Terminal Procedures. Only part-time hours of operation will be shown.

Identifier

TACAN/DME Channel

The Airport/Facility Directory lists, by facility name, all Radio Aids to Navigation that appear on National Aeronautical Navigation Services Visual or IFR Aeronautical Charts and those upon which the FAA has approved an Instrument Approach

this publication. All VOR, VORTAC, TACAN, ILS and MLS equipment in the National Airspace System has an automatic monitoring and shutdown feature in the event of malfunction. Unmonitored, as used in this publication, for any navigational aid, means that monitoring personnel cannot observe the malfunction or shutdown signal. The NAVAID NOTAM file identifier will be shown as "NOTAM FILE IAD" and will be listed on the Radio Aids to Navigation line. When two or more NAVAIDS are listed and the NOTAM file identifier is different from that shown on the Radio Aids to Navigation line, it will be shown with the

Procedure, with exception of selected TACANs. Military TACAN information will be published for Military facilities contained in

NAVAID listing. NOTAM file identifiers for ILSs and its components (e.g., NDB (LOM) are the same as the associated airports and are not repeated. Automated Surface Observing System (ASOS), Automated Weather Observing System (AWOS), and Hazardous Inflight Weather Advisory Service (HIWAS) will be shown when this service is broadcast over selected NAVAIDs.

Geographical Position

Bearing and distance Magnetic

facility to center of

Variation

Site Elevation

Distance

ABE Chan 122(Y) N40°43.60′ W75°27.30′ 180°4.1 NM to fld. 1110/8E, AWOS, HIWAS.

Automated Hazardous Inflight Weather Advisory Service

Observing System VOR unusable 020°-060° byd 26 NM blo 3,500′

Weather

Restriction within the normal altitude/range of the navigational aid (See primary alphabetical listing for restrictions on VORTAC and VOR/DME). Note: Those DME channel numbers with a (Y) suffix require TACAN to be placed in the "Y" mode to receive distance

airport

information HIWAS—Hazardous Inflight Weather Advisory Service is a continuous broadcast of inflight weather advisories including

summarized SIGMETs, convective SIGMETs, AIRMETs and urgent PIREPs. HIWAS is presently broadcast over selected VOR's ASR/PAR—Indicates that Surveillance (ASR) or Precision (PAR) radar instrument approach minimums are published in the U.S.

RADIO CLASS DESIGNATIONS

VOR/DME/TACAN Standard Service Volume (SSV) Classifications Altitudes

		(NM)
(T) Terminal	1000' to 12,000'	25
(L) Low Altitude	1000' to 18,000'	40
(H) High Altitude	1000' to 14,500'	40
	14,500' to 18,000'	100
	18,000' to 45,000'	130
	45,000' to 60,000'	100
NOTE: Additionally, (H) fac	ilities provide (L) and (T) service volume and (L) fac	ilities provide (T) service. Altitud

aditionally, (H) facilities provide (L) and (T) service volume and (L) facilities provide (T) service. Altitudes are with respect to the station's site elevation. Coverage is not available in a cone of airspace directly above the facility. CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

The term VOR is, operationally, a general term covering the VHF omnidirectional bearing type of facility without regard to the

fact that the power, the frequency protected service volume, the equipment configuration, and operational requirements may vary between facilities at different locations. Automatic Weather Broadcast. Direction Finding Service. UHF standard (TACAN compatible) distance measuring equipment. DMF DME(Y) ______ UHF standard (TACAN compatible) distance measuring equipment that require TACAN to be placed in the "Y" mode to receive DME. Glide slope. _____ Non-directional radio beacon (homing), power 50 watts to less than 2,000 watts (50 NM at all altitudes). нн _____ Non-directional radio beacon (homing), power 2,000 watts or more (75 NM at all altitudes). H-SAB ______ Non-directional radio beacons providing automatic transcribed weather service. ILS ______ Instrument Landing System (voice, where available, on localizer channel). ISMLS _____ Interim Standard Microwave Landing System. Localizer Directional Aid Compass locator station when installed at middle marker site (15 NM at all altitudes). LOM _____ Compass locator station when installed at outer marker site (15 NM at all altitudes). MH _____ Non-directional radio beacon (homing) power less than 50 watts (25 NM at all altitudes). Microwave Landing System. Middle marker. Outer marker Simultaneous range homing signal and/or voice. SABH _____ Non-directional radio beacon not authorized for IFR or ATC. Provides automatic weather broadcasts. Simplified Direction Facility. TACAN _____ UHF navigational facility-omnidirectional course and distance information. VHF navigational facility-omnidirectional course only. VOR ___ VOR/DME _____ Collocated VOR navigational facility and UHF standard distance measuring equipment.

Collocated VOR and TACAN navigational facilities. Without voice on radio facility frequency. VHF station location marker at a LF radio facility.

VORTAC _____

ILS information is tabulated as indicated in the following sample:

CHANNEL

18X

20X

22X

24X

26X

28X

30X

32X

34X

36X

38X

40X

42X

44X

46X

48X

50X

52X

54X

56X

22Y

23Y

24Y

25Y

26Y

27Y

28Y

291

30Y

540

500

542

NI S

CHANNEL

500

502

504

506

508

510

512

514

516

518

520

522

524

526

528

530

532

534

536

538

550

552

554

556

558

560

562

564

566

2X

21

11X

17X

17Y

18X

189

VHE

FREQUENCY

108.10

108.30

108.50

108.70

108.90

109.10

109.30

109.50

109.70

109.90

110.10

110.30

110 50

110.70

110.90

111.10

111.30

111.50

111.70

111.90

108.65

108.75

108.85

108 95

109.05

109 15

109 25

109.35

134.5

134 55

135.4

108.00

108 05

108.10

108.15

ILS FACILITY PEFORMANCE CLASSIFICATION CODES

Codes define the ability of an ILS to support autoland operations. The two portions of the code represent Official Category

and farthest point along a Category I, II, or III approach that the Localizer meets Category III structure tolerances.

Official Category: I, II, or III; the lowest minima on published or unpublished procedures supported by the ILS.

CHANNEL

568

570

572

574

576

578

580

582

584

586

588

590

592

594

596

598

600

602

604

606

threshold, T - runway threshold, D - 3000 ft after runway threshold, and E - 2000 ft prior to stop end of runway.

II S/DMF Rwy 18. Class IIE. 108 5 I_ORI Chan 22 LOM HERNY NDR

Farthest point of satisfactory Category III Localizer performance for Category I, II, or III approaches: A - 4 NM prior to runway threshold, B - 3500 ft prior to runway threshold, C - glide angle dependent but generally 750-1000 ft prior to

> ILS Facility Performance Classification Code

FREQUENCY PAIRING PLAN AND MLS CHANNELING TACAN NI S VHE TACAN FREGUENCY

109 45

109.55

109.65

109.75

109.85

109.95

110.05

110.15

110.25

110.35

110.45

110.55

110.65

110.75

110.85

110.95

111.05

111.15

111.25

111.35

113.35

113.45

113.55

113 65

113.75

113.85

113 95

114.05

2 IM

CHANNEL

636

638

640

642

644

646

648

650

652

654

656

658

660

662

664

666

668

670

672

674

688

690

692

694

696

698

25X

25Y

26X

261

27X

27Y

28X

28Y

29X

29Y

30X

CHANNEL

31 V

32Y

33Y

34Y

35Y

36Y

37Y

38Y

39Y

40Y

41Y

42Y

43Y

44Y

45Y

46Y

47Y

48Y

49Y

50Y

80Y

81Y

82Y

83Y

84Y

85Y

86Y

87Y

544

502

546

550

552

506

VHF

FREQUENCY

114 15

114.25

114.35

114.45

114.55

114.65

114.75

114.85

114.95

115.05

115.15

115.25

115 35

115.45

115.55

115.65

115.75

115.85

115.95

116.05

116.15

116.25

116.35

116.45

116.55

116 65

116 75

116.85

116.95

117 05

117.15

117.25

VHF

FREQUENCY

108.80

108.85

108.90

108 95

109 00

109.05

109.10

109.15

109.20

109 25

109.30

TACAN

CHANNEL

88Y

89Y

90Y

91Y

92Y

93Y

94Y

95Y

96Y

97Y

98Y

aay

1009

101Y

102Y

103Y

104Y

105Y

106Y

107Y

108Y

109Y

110Y

111Y

112Y

113Y

114Y

115Y

116Y

117Y

118Y

119Y

2 IM

CHANNEL

556

508

558

560

510

562

564

512

540	108.05	17Y	608	111.45	51Y	676
542	108.15	18Y	610	111.55	52Y	678
544	108.25	19Y	612	111.65	53Y	680
546	108.35	20Y	614	111.75	54Y	682
548	108.45	21Y	616	111.85	55Y	684
550	108 55	22Y	618	111 95	56Y	686

620

622

624

626

628

630

632

634

FREQUENCY PAIRING PLAN AND MLS CHANNELING

108.25

108.30

108.35

108.55

108 60

108.65

108.70

The following is a list of paired VOR/ILS VHF frequencies with TACAN channels and MLS channels.

TACAN VHF MIS TACAN VHF 2 IM TACAN

CHANNEL FREGUENCY CHANNEL CHANNEL FREGUENCY CHANNEL CHANNEL 19Y

20X

20Y

22Y

23X

23Y

24X

11Y 135 45 21 X 108 40 12X 135.5 21Y 108.45 548 12Y 135.55 22X 108.50 504

19X	108.20	-	24Y	108.75	554

NW. 23 SEP 2010 to 18 NOV 2010

VHF

FREQUENCY

133.60

133.65

133.70

133.75

133.80

133.85

133.90

133.95

134 00

134 05

134 10

134.15

134.20

134.25

112.30

112.35

112 40

112 45

112 50

112 55

112.60

112.65

112.70

112.75

112.80

112.85

112.90

112.95

113.00

113.05

113.10

113.15

113.20

113.25

113.30

113.35

113.40

620

TACAN

CHANNEL

63X

63Y

64X

64Y

65X

65Y

66X

66Y

67X

67Y

68X

68Y

69X

69Y

70X

70Y

71X

71Y

72X

72Y

73X

73Y

74X

74Y

75X

75Y

76X

76Y

77X

77V

78X

78Y

79X

79Y

80X

80Y

81X

RY LEGEND

MIS

CHANNEL

TACAN

CHANNEL

95Y

96X

96Y

97X

97Y

98X

98Y

99X

99Y

100X

100Y

101X

101Y

102X

102Y

103X

103Y

104X

104Y

105X

105Y

106X

106Y

107X

107Y

108X

108Y

109X

109Y

110X

110Y

111X

111Y

112X

112Y

113X

113Y

VHF

FREQUENCY

114.85

114.90

114.95

115.00

115.05

115.10

115.15

115.20

115.25

115.30

115.35

115.40

115.45

115.50

115.55

115.60

115.65

115.70

115 75

115.80

115.85

115.90

115.95

116.00

116.05

116.10

116.15

116.20

116.25

116.30

116.35

116.40

116.45

116.50

116.55

116.60

116.65

MLS

CHANNEL

650

652

654

656

658

-

660

662

664

.

666

668

670

672

674

676

678

680

682

684

686

49X	111.20	-	81Y	113.45	622	114X	116.70	-
49Y	111.25	604	82X	113.50	-	114Y	116.75	688
50X	111.30	532	82Y	113.55	624	115X	116.80	-
50Y	111.35	606	83X	113.60	-	115Y	116.85	690
51X	111.40	-	83Y	113.65	626	116X	116.90	-
51Y	111.45	608	84X	113.70	-	116Y	116.95	692
52X	111.50	534	84Y	113.75	628	117X	117.00	-
52Y	111.55	610	85X	113.80	-	117Y	117.05	694
53X	111.60	-	85Y	113.85	630	118X	117.10	-
53Y	111.65	612	86X	113.90	-	118Y	117.15	696
54X	111.70	536	86Y	113.95	632	119X	117.20	-
54Y	111.75	614	87X	114.00	-	119Y	117.25	698
55X	111.80	-	87Y	114.05	634	120X	117.30	-
55Y	111.85	616	88X	114.10	-	120Y	117.35	-
56X	111.90	538	88Y	114.15	636	121X	117.40	-
56Y	111.95	618	89X	114.20	-	121Y	117.45	-
57X	112.00	-	89Y	114.25	638	122X	117.50	-
57Y	112.05	-	90X	114.30	-	122Y	117.55	-
58X	112.10	-	90Y	114.35	640	123X	117.60	-
58Y	112.15	-	91X	114.40	-	123Y	117.65	-
59X	112.20	-	91Y	114.45	642	124X	117.70	-
59Y	112.25	-	92X	114.50	-	124Y	117.75	-
60X	133.30	-	92Y	114.55	644	125X	117.80	-
60Y	133.35	-	93X	114.60	-	125Y	117.85	-
61X	133.40	-	93Y	114.65	646	126X	117.90	-
61Y	133.45	-	94X	114.70	-	126Y	117.95	-
62X	133.50	-	94Y	114.75	648			

62Y 133.55 95X 114.80

35 COMM/NAV/WEATHER REMARKS:

TACAN

CHANNEL

30Y

31X

31Y

32X

32Y

33X

34X

34Y

35X

35Y

36X

36Y

37X

37Y

38X

38Y

39X

397

40X

40Y

41X

41Y

42X

42Y

43X

43Y

44X

44Y

45X

45Y

46X

46Y

47X

47Y

48X

48Y

VHF

FREQUENCY

109.35

109.40

109.45

109.50

109.55

109.60

109.65

109.70

109 75

109.80

109.85

109.90

109.95

110.00

110.05

110.10

110.15

110.20

110 25

110 30

110.35

110.40

110.45

110.50

110.55

110.60

110.65

110.70

110.75

110.80

110.85

110.90

110.95

111.00

111.05

111.10

111.15

MIS

CHANNEL

566

568

514

570

572

516

574

-

576

518

578

580

520

582

584

522

586

588

524

590

592

526

594

596

528

598

600

530

602

These remarks consist of pertinent information affecting the current status of communications, NAVAIDs and weather.

SEATTLE

H-1B. L-1E

ABBOTSFORD, BC (CYXX) 2.2 SW UTC-8(-7DT) N49°01.52' W122°21.63'

S4

195 R

FUEL 100LL, JET A NOTAM FILE CYXX RWY 07-25: H9600X200 (ASPH-CONC) HIRL RWY 07: SSALR. Rgt tfc. RWY 25: ODALS-PAPI. Thid dsplcd 295'.

RWY 01-19: H5328X200 (ASPH) MIRL RWY 01: REIL. PAPI. Rgt tfc. RWY 19: PAPI(P2L). RWY 01A-19A: 1500X100 (TURF)

AOF

RUNWAY DECLARED DISTANCE INFORMATION ASDA-5328 IDA-5328

ASDA-1500

RWY 01A: TORA-1500 TODA-1500 RWY 07: TORA-9597 TODA-10101 ASDA-9597 TORA-5328 TODA-5854 ASDA-5328

RWY 19A: TORA-1500 TODA-1500 ASDA-1500

RWY 25: TORA-9600 TODA-10600 ASDA-9600 LDA-9305

TOWER 119.4 (inner) 121.0 (outer) (1500-0700Z‡)

IU

(See OAK HARBOR)

(See TACOMA)

COMMUNICATIONS: ATIS 119.8 (1500-0700Z‡) ABBOTSFORD RADIO (CYXX) on arpt. 122.5 VICTORIA TERMINAL APP/DEP CON 132.7

RADIO AIDS TO NAVIGATION: NOTAM FILE BLI. WHATCOM (H) VORTACW 113.0

XX

N46°59.26' W123°47.86'.

HO

WHITEROCK NDB (MHW) 332

CULTUS NDB (HW) 214

RAWIH NDR (HW) 344

NDB (LOM) 236

AMERICAN LAKE SPB

AJ EISENBERG

LDA-1500 LDA-9597 LDA-1500

N49°00.93' W122°29.27'

WC

RWY 01: TORA-5328 TODA-6188

HUH Chan 77 N48°56.72' W122°34.76'

N49°00.20′ W122°45.02′

NOTAM FILE HQM.

N49°01.27′ W122°02.98′

068° 4.3 NM to fld. /19E.

252° 12.3 NM to fld.

41° 9.8 NM to fld. 80/20E.

AIRPORT REMARKS: Attended continuously. All acft including Jet acft, Icl training flights not permitted from 0600-1500Z‡ except as otherwise authorized by the arpt manager. These procedures apply to all jet acft including turbo-jets, turbo-fanjets and fanjets. Prior notice required for customs 1600-0800Z‡ 888-226-7277. IFR training flights PPR ctc 604-586-4592 or 800-668-1333. Helicopter training on fld. Numerous obstructions

in helicopter training areas. Turf rwys limited maintenance. Limited winter maintenance 1415-0630Z‡. Other times 2 hrs prior notice required call out charge may be levied. Twy D uncontrolled.

GND CON 121.8 (1500-0700Z‡)

067° 14.7 NM to fld. /19E.

SEATTLE 241° 5.8 NM to Bowerman. LOM unusable 150°-180° byd 10 NM. SEATTLE L-1E

UTC-8(-7DT) N48°29.94′ W122°39.74′ NOTAM FILE SEA

S-12 5

ANACORTES ANACORTES (74S) 2 W

FUEL 100, JET A LRA

RWY 18-36: H3015X60 (ASPH-GRVD)

RWY 18: REIL. PAPI(P4R)-GA 3.0° TCH 40'. Trees. Rgt tfc. RWY 36: REIL. PAPI(P4L)-GA 3.0° TCH 40'. Trees.

AIRPORT REMARKS: Unattended. Military arrival corridor N and W of arpt. No touch and go ldgs. Noise abatement procedures in effect, ctc arpt manager 360-293-3134. Rwy 36 preferred calm wind rwy. ACTIVATE MIRL and REIL Rwy 18 and Rwy 36-CTAF. COMMUNICATIONS: CTAF 128.25 RADIO AIDS TO NAVIGATION: NOTAM FILE BLI.

WHATCOM (H) VORTACW 113.0 HUH Chan 77 N48°56.72' 167° 27.0 NM to fld. 83/20E. HIWAS.

€3 n sidential Œ 43 *(*3 n €3 Œ €3 Residentia ß Aren €3 €3 Ø

NW. 23 SEP 2010 to 18 NOV 2010

142 WASHINGTON

SKYLINE SPB (21H) 3 W UTC-8(-7DT) N48°28 99' W122°41 08' NOTAM FILE SEA.

WATERWAY NW-SE: 5000X2500 (WATER)

WATERWAY NW: Hill. WATERWAY SE: Hill. SEAPLANE REMARKS: Unattended, Land to SE, Military arrival corridor N and W of arpt.

COMMUNICATIONS: CTAF 128.25

ANATONE ROGERSBURG (D69) 8 SE UTC-8(-7DT) N46°04.47′ W116°57.97′

NOTAM FILE SEA RWY 09-27: 1471X50 (TURF)

AIRPORT REMARKS: Unattended. Arpt CLOSED 15 Nov-1 Mar. Be alert for horses, deer, and elk on rwy. Vehicles, pedestrians, or wildlife on or invof rwy. No camping, fires, or parking for more than five acft at any time. Spill kit

ANDERSON FLD (See BREWSTER)

APEX AIRPARK (See SILVERDALE)

COMMUNICATIONS: CTAF 122.9

ARI INGTON MIINI

(AWO)

3 SW

UTC-8(-7DT) N48°09.65' W122°09.54' B S4 FUEL 100LL, JET A + TPA—See Remarks RWY 16-34: H5332X100 (ASPH) S-114, D-150, 2S-175, 2D-270

RWY 16: REIL, PAPI(P2L)-GA 3.0° TCH 40', Tree, Rgt tfc. RWY 34: MALS. PAPI(P2L)-GA 3.0° TCH 46'. RWY 11-29: H3498X75 (ASPH) S-32, D-34, 2D-59

RWY 11: REIL. PAPI(P2L)-GA 3.5° TCH 42'. Rgt tfc. RWY 29: REIL. PAPI(P2L)-GA 4.0° TCH 40'. Tree.

AIRPORT REMARKS: Attended 1600Z‡-dusk, 100LL fuel avbl 24 hr

credit card svc. Glider operations at arpt daily. Ultralight opns daily at NW corner of arpt. Occasional hot air balloon activity.

Helicopter training area, autorotations in grass and on south parallel twy Rwy 29 and along Twy B. Hovering area near compass rose located area Rwy 29 and Twy E. TPA-1200(1058). TPA for

ultralights 500(358), helicopters 637(495), Taxiing acft over 30,000 lbs remain clear of west side of arpt, Twy C and ramps on west side of Twy D. ACTIVATE MALS Rwy 34-122.7. PAPI Rwys 11, 16, 29 and 34 and REIL Rwys 11, 16, and 29 ops 24 hrs.

Landing fee for acft over 12,500 lbs. WEATHER DATA SOURCES: AWOS-3 135.625 (360) 435-8045. COMMUNICATIONS: CTAF/UNICOM 122.7

(R) SEATTLE CENTER APP/DEP CON 128.5

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAF

N47°55.19' W122°16.67' 358° 15.2 NM to fld. 670/20E. Chan 43 WATON NDB (LOM) 382 AW N48°04.57' W122°09.23' 338° 5.1 NM to fld. ILS 111.5 I-AWO Rwv 34. LOM WATON NDB. Localizer only. Localizer unmonitored continuously.

ß 63 C ଓଡ଼ ଓଡ଼ିଆ C3 C3 = C3 C3 . Residential Area 3 €3 *(*3 Δı Ш

NOTAM FILE AWO

SEATTLE

SEATTLE

SEATTLE

H-1B, L-1E

NOTAM FILE PDX

RWY 16: REIL. VASI(V4R). Building. Rgt tfc.

143

SEATTLE

I_1D

IAP

AIRPORT REMARKS: Attended 1600-0100Z‡. Fuel 24 hrs credit card self svc. Rwv 16 east-west high voltage transmission line, 80' AGL located 1804' N of Rwy 16 thld at 20:1. Sea gulls and other birds using lagoon on W side of arpt. Ultralights and hot air balloons prohibited. Plan apchs and departures to avoid extremely noise sensitive residential area E of the arpt.

RWY 34: REIL, VASI(V4L)-GA 4.0° TCH 53', Parking lot.

COMMUNICATIONS: CTAF/AUNICOM 122.8 R SEATTLE APP/DEP CON 123.85 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58' 133° 7.3 NM to fld. 354/19E.

AUGSPURGER MOUNTAIN N45°44.06′ W121°40.79′

AULT FLD (See WHIDBEY ISLAND NAS)

RCO 122.3 (MC MINNVILLE RADIO)

AVEY FLD STATE (See LAURIER)

BADGER MOUNTAIN N47°35.29' W120°08.60' RCO 122.3 (SEATTLE RADIO)

BANDERA STATE (4WØ)

0 W UTC-8(-7DT) N47°23.72′ W121°32.19′ NOTAM FILE SEA 1636 RWY 08-26: 2344X200 (TURF)

RWY 08: Trees RWY 26: Trees AIRPORT REMARKS: Unattended. Arpt CLOSED 1 Oct-1 June. Rwy 08-26 west end extremely rough, rwy soft when wet.

Watch for pedestrian, vehicles and animals on rwy. Ctc Washington State Aviation Division 360-651-6300 or 1-800-552-0666 Washington area for facility information prior to use. COMMUNICATIONS: CTAF 122.9

BATTLE GROUND N45°44.87′ W122°35.49′

(H) VORTACW 116.6 BTG Chan 113 161° 9.6 NM to Portland Intl. 253/21E.

TACAN azimuth and DME unusable 035°-085° byd 35 NM blo 10.000'.

BATTLE GROUND

CEDARS NORTH AIRPARK (W58) 1 NW UTC-8(-7DT) N45°45.87' W122°30.91' NOTAM FILE SEA

RWY 08-26: 1960X50 (TURF)

RWY N8: Road RWY 26. Road AIRPORT REMARKS: Unattended. Birds on and invof arpt. Transition between rwy and twy on marked twys only. COMMUNICATIONS: CTAF 122.9

GOHEEN (W52) 3 NW UTC-8(-7DT) N45°49.61' W122°34.61' 292 B S4 FUEL 100 NOTAM FILE SEA RWY 15-33: 2565X50 (TURF) LIRL

RWY 15: VASI(NSTD). Trees. RWY 33: P-line. RWY 07-25: 1500X48 (TURF) RWY 07: Building. RWY 25: Tree. AIRPORT REMARKS: Attended continuously. Rwy 07-25 for emerg only. Rwy 15-33 width of 43' over culvert in center of fld. Rwy 15-33 sfc uneven with an incline. Rwy 15 has NSTD single lgt VASI both sides of rwy. ACTIVATE bcn

and LIRL Rwy 15-33-CTAF. **COMMUNICATIONS: CTAF 122.9**

NW. 23 SEP 2010 to 18 NOV 2010

П 01 ☆ 9 SFATTI F L-1C

SEATTLE L-1D. 9A

SEATTLE SEATTLE H-1B, L-1C

SEATTLE

SEATTLE

WASHINGTON 144

RFILINGHAM

BELLINGHAM INTL 3 NW UTC-8(-7DT) N48°47.56′ W122°32.25′ (BLI) B S7 FUEL 100LL JET A OX 3, 4 TPA—See Remarks ARFF Index—See Remarks NOTAM FILE BLI

SEATTLE H-1B. L-1E IAP. AD

SEATTLF

S-75, D-160, 2S-175, 2D-250 HIRL RWY 16-34: H6701X150 (ASPH-GRVD) RWY 16: MALSR. PAPI(P4L)-GA 3.0° TCH 50'. Rgt tfc.

RWY 34: REIL, VASI(V4L)—GA 3.0° TCH 50', Tree.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 16: TORA-6701 TODA-6701 ASDA-6701

RWY 34: TORA-6701 TODA-6701 ASDA-6701 AIRPORT REMARKS: Attended continuously. Birds on and in vicinity of

airport, Class I, ARFF Index B, PPR for unscheduled air carrier ops with more than 30 passenger seats call arpt manager

360-671-5674. ARFF Index C 1400-0600Z‡. Twr svc not avbl at Twy A invof Twy G, the south hold area and the runup area due to obstructed vision. Twy J, Twy F from Twy A eastward to Twy D, and

Twy D from Twy E to Twy F closed to air carrier ops. Commercial

ramp clsd to pyt acft. Noise abatement procedures in effect ctc arpt manager at 360-671-5674. TPA-1200 (1030) fixed wing;

700 (530), helicopter; 2000 (1830) turbo. Touchdown rwy visual

range available Rwy 16. Ldg fee. When twr clsd ACTIVATE HIRL

Rwy 16-34, MALSR Rwy 16 and REIL Rwy 34-CTAF. Flight

IDA-6701 ß *(*3 63 ß Œ C3 C3 G G n <3 Œ (V Œ G G G A 34

WEATHER DATA SOURCES: ASOS (360) 671-8688. COMMUNICATIONS: CTAF 124.9 ATIS 134.45 (360) 647-5939 UNICOM 122.95

Notification Service (ADCUS) available.

RCO 122.15 (SEATTLE RADIO)

R VICTORIA APP/DEP CON 132.7

TOWER 124.9 (1500-0630Z±)

AIRSPACE: CLASS D svc 1500-0630Z‡ other times class E. RADIO AIDS TO NAVIGATION: NOTAM FILE BLI.

WHATCOM (H) VORTACW 113.0 HUH Chan 77 N48°56.72′ W122°34.76′ 150° 9.3 NM to fld. 83/20E. HIWAS.

ILS/DME 108.5 I-BLI Chan 22 Rwy 16. Class IA.

FLOATHAVEN SPB (ØW7) 6 SE UTC-8(-7DT) N48°44.14′ W122°20.40′ 307 S2 NOTAM FILE SEA

GND CON 127 4

WATERWAY 12-30: 10000X4000 (WATER)

SEAPLANE REMARKS: Attended dalgt hours. Canoe, sailboat, and hang glider activity invof arpt. For airframe repairs call

206-909-7299 prior to arrival to arrange svcs. Land and take off in the center of the lake. Avoid flying over noise sensitive area during tkf and ldg. COMMUNICATIONS: CTAF 122.9

BOEING FLD/KING CO INTL (See SEATTLE)

BOWERMAN (See HOQUIAM)

(See ELLENSBURG)

BOWERS FLD

SEATTLE

ΙΔΡ

H-1B. L-1D

WASHINGTON

N46°58.30'

at fld. NOTAM FILE PWT.

N47°08.86′

BREMERTON NATIONAL (PWT) 7 SW UTC-8(-7DT) N47°29.42′ W122°45.89′ S4

FUEL 100LL, JET A TPA-1444(1000) NOTAM FILE PWT

RWY 01-19: H6000X150 (ASPH) S-66, D-150, 2S-113, 2D-336 HIRL

RWY 01: PAPI(P4L)-GA 3.0° TCH 45'. Rgt tfc.

GG G G G G G G G G G G aaa ga GGG GGGG GG G

RWY 19: MALSR, PAPI(P4L)-GA 3.0° TCH 48', Fence. AIRPORT REMARKS: Attended 1500-0300Z‡. 24 hour fuel terminal located 300' WSW of Twy E. Rwy 19 designated calm wind rwy. All

acft above 70,000 lb weight class are required to use Twy E and back taxi on rwy when departing Rwy 19. Wildlife fence crosses north end of abandoned rwy. Fee for aircraft over 60,000 pounds. ACTIVATE MALSR Rwy 19 and PAPI Rwy 01 and Rwy 19-CTAF. WEATHER DATA SOURCES: AWOS-3 121.2 (360) 674-2811.

COMMUNICATIONS: CTAF/UNICOM 123.05 (R) SEATTLE APP/DEP CON 127 1

AIRSPACE: CLASS E svc continuous. RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

OLYMPIA (H) VORTACW 113.4

OLM 351° 31.6 NM to fld. 200/19E.

McCHORD (T) VORTAC 109.6 TCM Chan 33

W122°28.50′ 308° 23.7 NM to fld. 284/22E. No NOTAM MP Tue, Thu 0700-1600Z‡.

CARNEY NDB (MHW) 274 CAN N47°24.63′ W122°50.33′ 012° 5.7 NM to fld. NOTAM FILE PWT.

NDB unusable 030°-310° beyond 15 NM.

KITSAP NDB (MHW) 206 PWT N47°29.54′ W122°45.40′

NDB unusable 210°-310° byd 12 NM. IIS 111 1 I-PWT

Rwy 19. Class IA.

Chan 97

Chan 81

BREWSTER ANDERSON FLD (S97) UTC-8(-7DT) N48°06.29' W119°43.24' 3 E

B S6 FUEL 100LL NOTAM FILE SEA RWY 07-25: H4000X60 (ASPH) S-15 MIRL

RWY 25: PAPI (P2L)-GA 3.0°. AIRPORT REMARKS: Unattended. Fuel emergency use only. See charter opr who lives on fld. PAPI Rwy 25 OTS indef. ACTIVATE MIRL Rwy

COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

07-25-CTAF.

MOSES LAKE (H) VORW/DME 115.0 MWH

W119°19.01' 325° 56.1 NM to fld. 1194/18E.

€3 4000 X 60 N47°12.65' WH SE

BUCKHORN MOUNTAIN N46°32.49' W123°01.27' RCO 122.2 (SEATTLE RADIO)

SEATTLE L-1C

SEATTLE

I-13A

NW. 23 SEP 2010 to 18 NOV 2010

WASHINGTON 146

BURLINGTON/MOUNT VERNON

SKAGIT RGNL (BVS) 3 W S4

UTC-8(-7DT)

NOTAM FILE BVS

H-1B. L-1E IAP Rwy 4-22: 3000 X 60

SEATTLE

FUEL 100LL JET A TPA—See Remarks RWY 10-28: H5477X100 (ASPH) S-19 MIRI

N48°28.25′ W122°25.25′

N48°17.99'

AIRPORT REMARKS: Unattended. Ground vehicles and pedestrians use twy for hanger and residential access. Exit rwy

NW. 23 SEP 2010 to 18 NOV 2010

RWY 10: REIL. VASI(V4L)-GA 3.0° TCH 40'. RWY 28: REIL. VASI(V2L)-GA 3.5° TCH 46'. RWY 04-22: H3000X60 (ASPH) S-125 LIRI 0.4% up NE

RWY 04: PAPI(P2L)-GA 3.0° TCH 40'. RWY 22: PAPI(P2L)-GA 3.0° TCH 40'. AIRPORT REMARKS: Attended Mon-Fri 1400-0100Z‡, Deer and birds on and invof rwys. Helicopter training ops on arpt with autorotations on rwy. Use of Twy G by acft with wingspan 49' or greater prohibited when Rwy 04-22 in use, TPA-1144(1000) Ultralight

TPA-644(500). Rwy 04-22 compass rose in stopway SW end. ACTIVATE MIRL Rwv 10-28, LIRL Rwv 04-22, VASI Rwv 10 and Rwy 28, and REIL Rwy 10 and Rwy 28-CTAF. PAPI Rwy 04 and Rwy 22 opr continuously. WEATHER DATA SOURCES: AWOS-3 121.125 (360) 757-7767.

COMMUNICATIONS: CTAF/UNICOM 123.075 (R) WHIDBEY APP/DEP CON 120.7 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

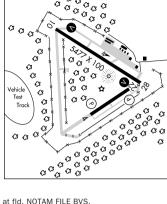
TATOOSH (H) VORTACW 112.2 TOU Chan 59 W124°37 62' 061° 88.8 NM to fld. 1652/22E.

CAMANO ISLAND AIRFIELD

PORTLAND CLNC DEL 121.65

SKAGIT/BAY VIEW NDB (MHW) 240 BVS N48°28.12' W122°25.10' NDB unusable 350°-030° bvd 20NM.

(See STANWOOD)



CAMAS

GROVE FLD 3 N UTC-8(-7DT) N45°37.67' W122°24.26' (1W1)

S4 FUEL 100 NOTAM FILE SEA RWY 07-25: H2710X40 (ASPH) MIRL (NSTD)

RWY 07: PAPI(P2L)-GA 5.0°. Thid dsplcd 493'. Trees.

RWY 25: PAPI(P2L)-GA 5.0°. Thid dsplcd 413'. Trees. AIRPORT REMARKS: Unattended. For fuel after hrs credit card lock, Noise abatement procedures in effect, ctc Port of

Camas-Washougal at 360-835-2196. Rwy 07-25 has buildings, telephone poles and trees encroaching in safety areas. Rwy 07 and Rwy 25 have 4 thld stripes falsely indicating 60' width. NSTD MIRL Rwy 07 and Rwy

25 dsplcd thids unlighted. ACTIVATE rotating bcn and MIRL Rwy 07-25-CTAF. COMMUNICATIONS: CTAF 122.9

CANYON N47°40.62′ W117°27.01′ NOTAM FILE GEG. NDB (MHW) 388 CRK 205° 4.8 NM to Spokane Intl.

CARNEY N47°24.63' W122°50.33' NOTAM FILE PWT.

NDB (MHW) 274 CAN 012° 5.7 NM to Brementon National.

NDB unusable 030°-310° beyond 15 NM.

N47°30.89' W120°29.08'

CASHMERE-DRYDEN (8S2)0 SW UTC-8(-7DT)

S4 NOTAM FILE SEA RWY 07-25: H1800X50 (ASPH) S-8 MIRL RWY N7. Fence RWY 25: PAPI(P2L)-GA 3.0°. Thid dsplcd 182'. Trees.

at twys only. Radio control model activity permitted on W end of arpt. ACTIVATE MIRL Rwy 07-25-121.7. COMMUNICATIONS: CTAF 122.9

CEDARS NORTH AIRPARK (See BATTLE GROUND)

SEATTLE

SEATTLE

SEATTLE

I=1D

SEATTLE

WASHINGTON 147

CHEHALIS-CENTRALIA (CLS) 1 W UTC-8(-7DT) N46°40.62′ W122°58.97′ S4 FUEL 100LL, JET A OX 4 NOTAM FILE SEA

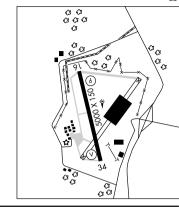
RWY 16-34: H5000X150 (CONC) S-30, D-30, 2D-85 RWY 16: REIL. PAPI(P4L)-GA 4.0° TCH 51'. Trees. Rgt tfc.

RWY 34: REIL. VASI(V2L)-GA 4.5°TCH 35'. Trees. AIRPORT REMARKS: Attended Mon-Fri 1500-0100Z‡. Fuel avbl 24 hrs by credit card only. No debit cards. Possible wildlife on rwys.

ACTIVATE MIRL Rwv 16-34 and REIL Rwv 16 and Rwv 34-CTAF. WEATHER DATA SOURCES: AWOS-3 118.025 (360) 740-5164. COMMUNICATIONS: CTAF/UNICOM 122.8 R SEATTLE APP CON 121.1

SEATTLE CENTER DEP CON 124.2 RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

OLYMPIA (H) VORTACW 113.4 OLM Chan 81 N46°58 30' W122°54.11' 172° 18.0 NM to fld. 200/19E. HIWAS.



CHELAN

LAKE CHELAN (S1Ø) 3 NE UTC-8(-7DT) N47°51.96′ W119°56.56′ FUEL 100LL, JET A NOTAM FILE SEA 1263 B S2

RWY 02-20: H3503X60 (ASPH) S-12 MIRL RWY 20: PAPI(P2L). Thid dsplcd 197'. Trees. RWY 02: Thid dspicd 447', Road, Rgt tfc.

AIRPORT REMARKS: Attended continuously. Self-service fuel avbl 24 hrs. ACTIVATE MIRL Rwy 02-20 CTAF 122.9.

COMMUNICATIONS: CTAF/UNICOM 122.95

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. Chan 73

EPHRATA (H) VORTACW 112.6 FPH

CHEWELAH

SAND CANYON 2 N UTC-8(-7DT) N48°18.85' W117°44.60' (1S9) 2084 B NOTAM FILE SEA

N47°22.68′ W119°25.44′

RWY 17-35: H3446X48 (ASPH) MIRL RWY 17: PAPI(P2R)-GA 4.0° TCH 63'. Thid dspicd 230'. Tree.

Rgt tfc.

RWY 35: PAPI(P2L)-GA 3.0°. Thid dsplcd 101'. AIRPORT REMARKS: Unattended. Deer and wildlife on and invof arpt. ACTIVATE MIRL Rwy 17-35-CTAF. PAPI Rwy 17 and Rwy 35

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

operate continuously.

W117°37.61' 333° 45.2 NM to fld. 2756/21E. HIWAS.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90'

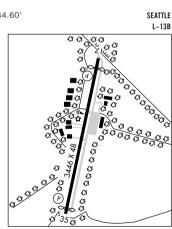
SEATTLE

SFATTLE

L-13A

ΙΔΡ

H-1B. L-1C



303° 36.1 NM to fld. 1250/21E.

WASHINGTON 148 CLAYTON

NOTAM FILE SEA

RWY 31L: Road.

RWY 31R: Thid dspicd 170'. Road. Rgt tfc.

(C72) 2 SE

TPA—See Remarks

RWY 13L-31R: 3800X125 (TURF)

RWY 13R: Fence, Rgt tfc.

COMMUNICATIONS: CTAF 122.9

RWY 07-25: H2552X40 (ASPH) MIRI RWY 07: REIL. PAPI (P2L)-GA 4.0° TCH 20'. Thid dspicd 130'. Rgt tfc.

CLE ELUM CLE ELUM MUNI (S93) 1 E UTC-8(-7DT) N47°11.66′ W120°53.01′ B TPA-2944(1000) NOTAM FILE SEA

RWY 25: REIL, PAPI (P-2L)—GA 4.0° TCH 20', Thid dspicd 130', Tree.

CROSS WINDS

RWY 131 · P-line RWY 13R-31L: 2065X50 (TURF)

AIRPORT REMARKS: Unattended. Wildlife on and invof rwy. Gliders use CTAF freq 122.3. ACTIVATE rotating bcn, MIRL Rwy 07-25 and REIL Rwy 07 and Rwy 25-CTAF. PAPI Rwy 07 and Rwy 25 opr continuously. COMMUNICATIONS: CTAF 122.9

DE VERE FLD (2W1) 3 E UTC-8(-7DT) N47°10.66′ W120°51.16′ NOTAM FILE SEA RWY 08-26: H2055X30 (ASPH)

LIRL(NSTD) RWY 08: Trees. Rgt tfc. RWY 26: Trees. AIRPORT REMARKS: Attended dalgt hours. Field occasionally CLOSED in winter. Wildlife on and invof rwy. Rwy 08-26 LIRL(NSTD)-thld lgts 360° green.

has 2 inch dropoff along entire rwy both sides. For LIRL Rwy 08-26 call 509-674-2627. Rwy 08-26 COMMUNICATIONS: CTAF 122.9

LOWER GRANITE STATE

COLFAX NOTAM FILE SEA RWY 14-32: 3400X50 (GRVL)

RWY 14: Trees. RWY 32: Hill.

COMMUNICATIONS: CTAF 122.9

west and north: Portions of rwy sfc rough and soft. PORT OF WHITMAN BUSINESS AIR CENTER (S94) 3 SW B S4 FUEL 100LL TPA-3010(829) NOTAM FILE SEA

RWY 07: Thid dspicd 492'. Road. center 2240' lgtd. 30' bldg 250' S AER 25. ACTIVATE MIRL Rwy 07-25-CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE PUW. PULLMAN (L) VORW/DME 109.0

DMF unmonitored

PUW Chan 27 N46°40.46′ W117°13.41′

RWY 07-25: H3209X60 (ASPH) S-17 MIRL (NSTD) RWY 25: Thid dsplcd 319'. AIRPORT REMARKS: Attended dawn-dusk. 100LL fuel avbl for emergencies. Call 509-397-3791. Rwy 07-25 farm machinery may be operating in fields on both sides of rwy and off both rwy ends. Rwy 07-25 NSTD MIRL only

AIRPORT REMARKS: Unattended, CLOSED 1 Oct-1 June, Pedestrians, vehicles and animals on and invof rwy, P-lines

NW. 23 SEP 2010 to 18 NOV 2010

(ØØW) 12 S UTC-8(-7DT) N46°40.37' W117°26.50'

UTC-8(-7DT) N47°58.99' W117°32.56'

AIRPORT REMARKS: Unattended. Arpt CLOSED winters, open only to ski equipped acft. Use care during high wind due to turbulence and crosswind. Rwys not useable during heavy snow and spring mud. Radio controlled model acft on and invof arpt. Rwys rough with tall grass. Mole holes on rwys. Rwy 13L-31R edges marked with red traffic cones, Rwy 13R-31L ultralight rwy. Ultralight tfc on arpt. TPA-3150 (1000); Ultralight-2650 (500).

305° 13.6 NM to fld. 2720/20E.

SEATTLE

SEATTLE

L-13B

SEATTLE

SEATTLE

UTC-8(-7DT) N46°51.52′ W117°24.85′ SEATTLE

AIRPORT REMARKS: Unattended. Arpt CLOSED to vehicles Apr 15 thru the day after Labor Day. Vehicles, pedestrians and animals on and invof arpt. River course change may alter rwy length. Stream crossing 1500' from the end of

COMMUNICATIONS: CTAF 122.9

CREST AIRPARK (See KENT)

CROSS WINDS (See CLAYTON)

DARRINGTON MUNI (1S2) 0 N UTC-8(-7DT) N48°15.52′ W121°36.61′ SEATTLE В NOTAM FILE SEA

RWY 10-28: H2491X40 (ASPH) MIRL

RWY 10: Fence. RWY 28: Road. AIRPORT REMARKS: Unattended. CLOSED when snow on rwy. Rwy 28 has no markings. Rwy 10 has small numbers

only. Turbulence on hot days landing west between rows of trees. Taxiways marked with blue reflectors. MIRL

Rwy 10-28 OTS indef. ACTIVATE MIRL Rwy 10-28-CTAF. COMMUNICATIONS: CTAF 122.9

DAVENPORT N47°39.21′ W118°10.13′ SFATTI F (68S) 1 W UTC-8(-7DT)

FUEL 100LL RWY 05-23: H2747X50 (ASPH) MIRL RWY 23: Trees. Rgt tfc. RWY 03-21: 2271X45 (GRVL) RWY 03: Trees. P-line. RWY 21: Trees. Rgt tfc.

AIRPORT REMARKS: Attended Mar-Jun dawn-dusk, Jul-Feb Mon-Fri on call. Fuel 24 hr credit card svc avbl. Rwy 03-21

NOTAM FILE SEA

very soft in spring. Rwy 03-21 not marked.

В

COMMUNICATIONS: CTAF 122.9

150 WASHINGTON

DEER PARK (DEW) 3 NE UTC-8(-7DT) N47°58.02' W117°25.72' SEATTLE S4 FUEL 100LL, JET A TPA—See Remarks H-1C I-13B 2211 B NOTAM FILE DEW RWY 16-34: H6100X75 (ASPH) S-21 MIRL 0.4% up NW IAP RWY 16: REIL. PAPI (P4L)-GA 3.5° TCH 38'. Trees. RWY 34: REIL, PAPI(P4L)-GA 3.0° TCH 40'. 91 RWY 04-22: H3200X60 (ASPH) (d) AIRPORT REMARKS: Attended Apr-Oct 1600-0100Z±. Nov-Mar 1800-0000Z‡. 100LL avbl 24 hrs credit card self service facility. Call ahead for Jet A svc 509-276-3379. Rwy 04-22 heavy glider activity weekends. Monitor glider traffic on 123.3 abv 5000' MSL. Glider pattern TPA 3211(1000). Model airplane activity on arpt.

Farming opr active on land adjacent to rwys. Deer and coyotes on 8 and invof runways. 175' twr 2000' W of Rwy 16-34. Noise abatement procedures in effect ctc arpt manager 509-276-3379. Rwy 16 preferred calm wind rwy. ACTIVATE MIRL Rwy 16-34-CTAF WEATHER DATA SOURCES: ASOS 135.175 (509) 276-2303. COMMUNICATIONS: CTAF/UNICOM 123.0 R SPOKANE APP/DEP CON 123.75 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. 34 SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33 90' W117°37 61' 357° 25.4 NM to fld. 2756/21E. **2AWIH** N47°58.07' W117°25.58' at fld. NOTAM FILE DEW. NDB unmonitored. NDB (MHW) 365 DPY

DESERT AIRE (See MATTAWA) DE VERE FLD (See CLE ELUM)

DONNY N46°31.54′ W120°22.33′. NOTAM FILE YKM.

274° 7.6 NM to Yakima Air Terminal/McAllister Fld.

NDB (LOM) 371 YK

DOROTHY SCOTT (See OROVILLE)

DUNEZ N46°20.29′ W119°00.75′. NOTAM FILE PSC.

NDB (LOM) 331 PS 205° 6.3 NM to Tri-Cities. Unmonitored when twr clsd.

EASTON STATE (ESW) UTC-8(-7DT) N47°15.25' W121°11.13' 2 N

2226 NOTAM FILE SEA

RWY 09-27: 2640X100 (TURF)

AIRPORT REMARKS: Unattended. Arpt CLOSED Oct 1 thru Jun 1. Wind cone mounted on 50' self supporting tower.

Vehicles, pedestrians and wildlife on and invof arpt.

S-12.5

COMMUNICATIONS: CTAF 122.9

ORCAS ISLAND (ORS)

EASTSOUND 1 N UTC-8(-7DT) N48°42.50′ W122°54.64′ B S3 FUEL 100LL TPA-1031(1000) NOTAM FILE ORS

RWY 16-34: H2900X60 (ASPH-AFSC)

RWY 16: REIL. VASI(V4L)—GA 2.9° TCH 35'. AIRPORT REMARKS: Attended 1600-0030Z‡. Self svc 24 hr fuel avbl with credit card. Deer on and invof rwy. Noise abatement procedures in effect, ctc arpt manager 360-376-5285. Additional transient tiedowns south of segmented circle. PAPI baffled W of centerline, lateral coverage has been narrowed to avoid obstacles, during

decent close alignment to rwy centerline is necessary. ACTIVATE VASI Rwy 16, REIL Rwy 16 and Rwy 34 and twy lgts-128 25 WEATHER DATA SOURCES: AWOS-3 135.425 (360) 376-6045. COMMUNICATIONS: CTAF 128.25

VICTORIA NORTH APP/DEP CON 132.7 WHIDBEY SOUTH APP/DEP CON 118.2

RWY 34: REIL. PAPI(P2L)-GA 4.0° TCH 28'. Trees. Rgt tfc.

SFATTLE

SEATTLE SEATTLE

SEATTLE

L-1E

IAP

NW. 23 SEP 2010 to 18 NOV 2010

SEATTLE.

SEATTLE

L-13A

+280

SEATTLE

H-1C. L-13A

EATONVILLE

(3W7)

TPA-1643(800) NOTAM FILE SEA RWY 16-34: H2990X36 (ASPH) RWY 16: Trees. Rgt tfc. RWY 34: Ground.

16-34-CTAF COMMUNICATIONS: CTAF 122.9

GRAND COULEE DAM

1588 B NOTAM FILE SEA

RWY 03-21: H4199X75 (ASPH)

COMMUNICATIONS: CTAF 122.9

(H) VORTACW 117.9 ELN

VORTAC unusable: 090°-158° byd 10 NM

DME unusable: 055°-070° byd 21 NM

158°-163° bvd 27 NM VOR portion unusable: 300°-040° bvd 25 NM

070°-090° bvd 34 NM

090°-158° byd 10 NM

158°-163° bvd 27 NM RCO 122.2 (SEATTLE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. EPHRATA (H) VORTACW 112.6 EPH

NORNAWR

ELECTRIC CITY

AIRPORT REMARKS: Attended 1600-0400Z‡. CAUTION: Deer on and in vicinity of arpt. Buildings are in close proximity

to rwy. Gravel svc road around Rwy 16-34 not avbl for acft ops. Taxi on rwy. Rwy 16-34 trees in apch and

transitional surfaces both sides of rwy. Arpt Igts opr dusk-0800Z‡, After 0800Z‡, ACTIVATE MIRL Rwy

(2W3) 1 NE UTC-8(-7DT) N46°52.30′ W122°15.43′

S-26

W119°25.44' 002° 35.5 NM to fld. 1250/21E.

ELLENSBURG N47°01.46′ W120°27.50′ NOTAM FILE ELN.

Chan 126

MIRL RWY 21: PAPI(P2L). Ground. Rgt tfc. AIRPORT REMARKS: Unattended. ACTIVATE MIRL Rwy 03-21-CTAF.

Chan 73 N47°22.68'

NW. 23 SEP 2010 to 18 NOV 2010

ED CARLSON MEMORIAL FLD-SOUTH LEWIS CO (See TOLEDO)

2 SW UTC-8(-7DT) N47°55.32′ W119°04.98′

259° 3.0 NM to Bowers Fld. 1770/21E.

163°-268° byd 33 NM

040°-080° bvd 34 NM

163°-268° byd 33 NM

300°-055° bvd 21 NM

350°-025° byd 15 NM

ELLENSBURG

BOWERS FLD (ELN) 2 N UTC-8(-7DT) N47°01.98' W120°31.84' 1764 B S4 **FUEL** 100LL, JET A TPA—2598(834)

RWY 07-25: H5590X150 (ASPH) S-28 0.8% up E

RWY 25: P-line. RWY 11-29: H4301X150 (CONC) S-35, D-57, 2D-100 MIRL 0.4% up NW

RWY 29: REIL. PAPI(P2R)-GA 3.0° TCH 40'.

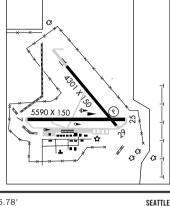
AIRPORT REMARKS: Attended Mon-Fri 1500-0300Z‡, Sat-Sun

1500-0200Z±. Rwv 07-25 CLOSED Dec 15-Feb 28. no maintenance avail. Rwy 07-25 has weeds growing through cracks

in payement first 2000', ACTIVATE MIRL Rwv 11-29-123.0. WEATHER DATA SOURCES: ASOS 118.375 (509) 925-2040. HIWAS 117.9 FIN COMMUNICATIONS: CTAF/UNICOM: 123.0

ELLENSBURG RCO 122.2 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 132.6 RADIO AIDS TO NAVIGATION: NOTAM FILE ELN.

ELLENSBURG (H) VORTACW 117.9 ELN Chan 126 W120°27.50' 259° 3.0 NM to fld. 1770/21E. HIWAS.



ELMA MUNI (4W8) 1 SW UTC-8(-7DT) N46°59.43′ W123°25.78′ B TPA-835(800) NOTAM FILE SEA

N47°01.46′

RWY 07-25: H2280X30 (ASPH) MIRL (NSTD)

RWY 07: Trees. Rgt tfc. RWY 25: Thid dspicd 180' Trees.

AIRPORT REMARKS: Unattended. Rwy 07-25 NSTD MIRL. Rwy 25 dsplcd thid unigtd, 2095' of Rwy 07-25 avbi for ngt

ops. Rwy 07-25 disregard white X's on rwy. Rwy 07-25 very narrow faded centerline stripe, rwy 1D NSTD

dimensions. ACTIVATE NSTD MIRL Rwy 07-25-CTAF. COMMUNICATIONS: CTAF/UNICOM 122.8

ELWHA N48°09.01′ W123°40.22′. NOTAM FILE CLM.

NDB (MHW/LOM) 515 CL 083° 7.1 NM to William R. Fairchild Intl.

NDB unusable 100°-235° beyond 12 NM.

SEATTLE L-1E

SEATTLE

IAP

H-1C, L-13A

EPHRATA MUNI (EPH) 2 SE UTC-8(-7DT) N47°18.48′ W119°31.01′ 1276 B S2 FUEL 100LL, JET A TPA—See Remarks NOTAM FILE EPH

RWY 03-21: H5500X75 (ASPH) S-60, D-90, 2S-114, 2D-115

RWY 03: PAPI (P4L)—GA 3.0° TCH 40'. Ground. Rgt tfc. 0.3% up.

RWY 21: PAPI (P2L)-GA 3.0° TCH 40'. MIRL

RWY 11-29: H3843X60 (ASPH) S-40, D-53, 2D-105

RWY 11: REIL. Ground.

RWY 29: REIL. PAPI(P2L)-GA 3.0°. TCH 40'.

RWY 04-22: H3467X150 (ASPH)

RWY 22: Rgt tfc.

AIRPORT REMARKS: Attended 1530-0000Z‡. Fuel 24 hr credit card svc avbl. Rwy 04-22 for gliders only. Be alert aerobatic acft activity over center of arpt. Ultralight activity invof arpt. TPA for ultralight

acft 1526(250). Heavy glider activity from apron area Apr-Oct. ACTIVATE MIRL Rwy 03-21 and MIRL Rwy 11-29 and REIL Rwy 11 and Rwy 29-CTAF. PAPI Rwy 29, Rwy 03 and Rwy 21 opr continuously. UNICOM monitored intermittently.

WEATHER DATA SOURCES: ASOS 135.775 (509) 754-3761.

COMMUNICATIONS: CTAF/UNICOM 122.8

RCO 122.2 (SEATTLE RADIO)

GRANT COUNTY APP/DEP CON 126.4 (1400-0600Z‡)

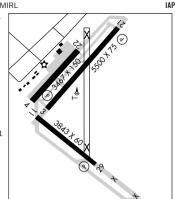
SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z±)

AIRSPACE: CLASS E svc 1400-0600Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. (H) VORTACW 112.6 EPH Chan 73 N47°22.68′ W119°25.44′ 201° 5.7 NM to fld. 1250/21E.

VOR unusable 310°-350° byd 25 NM blo 6,500'. DME portion unusable:

280°-295° byd 25 NM blo 7,000'.



SEATTLE

H-1C, L-13A

310°-350° byd 25 NM blo 6,500'.

FVFRFTT

SNOHOMISH CO (PAINE FLD) (PAE) 6 SW UTC-8(-7DT) N47°54.42′ W122°16.89′

B S4 FUEL 100LL JET A 0X 1, 3 TPA-See Remarks

ARFF Index—See Remarks NOTAM FILE PAE IAP. AD RWY 16R-34L: H9010X150 (ASPH-CONC-GRVD) S-100, D-200,

2S-175, 2D-350, 2D/2D2-830 HIRL

RWY 16R: MALSR, PAPI(P4R)-GA 2.8°, Rgt tfc.

RWY 34L: MALSF. PAPI(P4L) GA 3.0° TCH 75'. Trees.

RWY 11-29: H4514X75 (ASPH) S-30 MIRL 0.9% up SE

RWY 11: VASI(V2L)—GA 3.25° TCH 60'. Thid dspicd 799'. Trees.

RWY 29: VASI(V2R)-GA 4.0° TCH 57'. Trees.

RWY 16L-34R: H3000X75 (ASPH) S-12.5

RWY 16L: REIL. PAPI(P2L)-GA 3.0°. Pole.

RWY 34R: REIL. PAPI(P2R)-GA 3.0°. Pole. Rgt tfc.

AIRPORT REMARKS: Attended 1500-0500Z‡, For jet and helicopter fuel after hrs call 425-355-6600. Helicopters prohibited at fueling

islands. Flocks of large and small birds in vicinity of arpt. Class I. ARFF Index B. Arpt CLOSED to air carrier ops with more than 30 passenger seats 0500-1500Z‡ except PPR ctc arpt ops 425-388-5110/5480. For additional ARFF capability ctc arpt ops

425-388-5110. Rwy 11-29 and Rwy 16L-34R CLOSED between 0500-1500Z‡. First 1000' of Rwy 16R is concrete. Large acft fly

W pattern over water, small acft fly E pattern over arpt. Be alert for converging tfc on base to final legs Rwys 16R-34L 0500-1500Z‡. Training flights discouraged after 0600Z‡.

Rwy 16R-34L touch-and-go ldgs prohibited Mon-Fri 1500-1700Z‡. Rwy 16L-34R and Rwy 11-29 limited to helicopters 8,000 lbs or less. Twy A-2 restricted to 30,000 lbs. Avoid overflight of Boeing ramp NE corner of arpt due to JET blast. Rwy 34L departures discouraged in calm wind conditions. Avoid intersection departures from Rwy 16L-34R and Rwy 29. Avoid intersection departures from Rwy 11 except from Twy Delta 1 intersection. Twy Echo Igts OTS indef. Areas not visible from twr include E edge of S 1200' of Twy A. Twy E from SE corner of west hangars to Twy A, mid section of outer terminal ramp, Twy H from NW edge of west hangars to Twy E, NE edge of inner terminal ramp. Noise sensitive arpt, for noise abatement procedures and tfc procedures call arpt ops 425-388-5125. It is requested that pilots adhere to the following noise abatement procedures unless otherwise instructed by twr, itinerant arrival and low apch of small acft over 250 horsepower authorized on Rwy 29, Rwy 16L and Rwy 34R. Itinerant departure of small acft over 250 horsepower on Rwy 11 and Rwy 34R. If

hours. TPA-1606 (1000) for light acft, 2006 (1400) for heavy acft. When twr clsd ACTIVATE HIRL Rwy 16R-34L, MALSR Rwy 16R and PAPI Rwy 34L-CTAF. Landing fee for acft over 30,000 lbs GWT. WEATHER DATA SOURCES: ASOS (425) 355-6192. LAWRS.

access to Boeing ramp required ctc Boeing Flight Dispatch 206-655-3421 for approval during normal duty

COMMUNICATIONS: CTAF 132.95 ATIS 128.65 (425)355-9797. UNICOM: 122.95 PAINE RCO 122.55 (SEATTLE RADIO)

R SEATTLE CENTER APP/DEP CON 128.5

PAINE TOWER 132.95 (acft arrival W of centerline or departure Rwy 16R-34L) 120.2 (acft arrival E of centerline or departure Rwy 16L-34R) (1500-0500Z‡) GND CON 121.8 CLNC DEL 126.75

AIRSPACE: CLASS D svc 1500-0500Z‡ other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE PAE. PAINE (L) VORW/DME 110.6 PAE

Chan 43 N47°55.19′ W122°16.67′ at fld. 670/20E.

RITTS NDB (LOM) 396 PA N48°03.17′ W122°17.33′ 158° 8.8 NM to fld.

ILS 109.3 I-PAE Rwy 16R Class IE. LOM RITTS NDB. LOC/GS unmonitored (0500-1500Z‡)

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

SEATTLE.

H-1B. L-1D

SEATTLE

DIAP. AD

H-1C I-13B

OIL 0-148-156

1515-2345Z‡, clsd weekend and holidays. ATIS 257.625

COMD POST (STRIKEHAWK) 311.0 321.0

110°-220° byd 20 NM blo 7,000′

110°-220° byd 30 NM blo 9,500′

I-FRC

I-SKA

1400-1700Z± (2000/3+1).

(See SPOKANE)

(See REPUBLIC)

1 SW

NOTAM FILE SEA RWY 04-22: H2400X75 (ASPH)

(See MONROE)

(See VANCOUVER)

(See BELLINGHAM)

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt.

UTC-8(-7DT)

MIRL

RWY 22: REIL. Tree. Rgt tfc.

(L) TACAN SKA Chan 51 N47°36.64' W117°39.74'

Rwv 05

Rwv 23.

FAIRCHILD AFB (SKA)(KSKA) AF (ANG)

N47°36.90' W117°39.35'

FLUID SP PRESAIR: De-ice Not avbl for C5. C17: LOX

10 SW UTC-8(-7DT) Class I, ARFF Index A NOTAM FILE SKA Not insp. R TPA-See Remarks AOE CI

RWY 05-23: H13899X200 (CONC) PCN 51 R/B/W/T HIRL RWY 05: ALSF1. TDZL. PAPI(P4L)-GA 3.0° TCH 51'. RWY 23: ALSF1. TDZL. PAPI(P4L)-GA 2.5° TCH 50'. MILITARY SERVICE: LGT Rwy 05 PAPI not coincidental with ILS/GS. Apch lighting system Rwy 05-23 NSTD. JASU (MA-1A)

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information. RSTD PPR includes scheduled AMC mission. 24 hr

TOWER 120 35 233 7

(2000/3+1).TACAN unusable:

(2000/3+1).ILS 110.3

ILS 110.3

frequency. FELTS FLD

FERRY CO

FIRSTAIR FLD

FLY FOR FUN

FORKS

299

FLOATHAVEN SPB

(S18)

RWY 04: REIL. Tree.

COMMUNICATIONS: CTAF 122.9

AIRSPACE: CLASS C svc ctc APP CON. RADIO AIDS TO NAVIGATION: NOTAM FILE SKA.

(A/M32A-86) (MC-1A)

TRAN ALERT Svc weekdays 1500-0700Z‡, weekends clsd. Ctc Base Ops not later than 15 minutes out for svc required. Fleet svc avbl. No potable water svc.

FUEL J8

PTD 130.0 372.2

R SPOKANE APP/DEP CON 133.35 263.0 (026°-204°) 123.75 282.25 (205°-025°)

possible provide 2hr PN for all rgr briefings, WASHINGTON ANG OPS 293.7

Class IT.

N47°56.26′ W124°23.76′

NW. 23 SEP 2010 to 18 NOV 2010

GND CON 123.6 275.8

prior coordination required. All inbound passenger/cargo acft must ctc Command Post no later than 30 min prior

to ldg. AMC acft opr rstd during Bird Watch Condition Moderate (tkf or ldg permission only when dep/arr route

avoid identified bird activity, no local IFR/VFR tfc pattern activity) and Severe (tkf and ldg prohibited without Operation Group Commander approval, practice circling apch not authorized for tran acft) ctc twr, PTD, or Command Post for current Bird Watch condition. Acft configured with explosives are not authorized. Cargo acft transporting explosives are authorized. Arpt unable to support acft transporting more than 13,000 to 32,000 pounds class 1.1 explosive cargo. First 1300' Rwy 23/last 1300' Rwy 05 rated poor. Use Twy F int for Rwy 23 dep unless mission requires full length. To max extent possible exit Twy F when Idf Rwy 05. Avoid Idg on first 1300' of Rwy 23 unless wx dictates use of instrument apch. Dur taxi acft are to use idle thrust and limit the use of reverse thrust when opr on first 1300' Rwy 23/last 1300' Rwy 05. Practice circling apch not authorized for

tran acft. Parachute jumping activity Fri 2030-2130Z‡, Ellington Drop Zone, 5000' south of rwy. Parking spots

15-30 are tow on/off only, no engine runs. CAUTION Rwy edge lgts located 60' from outside of side stripe. Uncontrolled vehicles on all twys and ramps. Helicopter opns within vicinity of Fairchild AFB. Departing acft

220°250° byd 30 NM blo 5,500'

Back course unusable. No NOTAM MP Wed and Thu 1400-1700Z‡

Back course unusable. No NOTAM MP Wed and Thu

remain at or blo 3700' until dep end of rwy for protection of overhead pattern. Do not mistake Spokane Intl 4.5 NM east for Fairchild AFB. Phase II (the high bird potential haz time period) of the Bird Aircraft Safety Hazard

program is in effect annually from May to Oct. Rwy 05-23 overruns rated poor. TFC PAT TPA—Rectangular 3700 (1239), overhead 4200(1739) CSTMS/AG/IMG - C509-247-5435/5439. MISC Air Evac/Tran acft ctc PTD 20 minutes prior to arrival, Base OPS DSN 657-5439/5202, C509-247-5439/5202, ANG Opr Mon-Fri

PMSV METRO 234.8 Wx stn opr Mon-Thu 1300-1700Z‡. Fri hrs vary based on IcI flying, clsd weekend and hol. Full svc PMSV avbl via 25 OWS. AWOS in use. DSN 657-9010. C509-247-9010. Tran aircrew may ctc 25 OWS DSN 228-6598, or C520-228-6598 for wx briefing. When

at fld. 2438/19E. No NOTAM MP Tue 1400-1700Z±

COMM/NAV/WEATHER REMARKS: Acft rqr SFA notify Seattle Center or Spokane App Con 20 minutes out on any published

SEATTLE

FORT LEWIS (See GRAY AAF-JOINT BASE LEWIS-MCCHORD)

FRIDAY HARBOR

FRIDAY HARBOR

FUEL 100 LRA NOTAM FILE FHR RWY 16-34: H3402X75 (ASPH) S-12.5 MIRL 0.8% up N

(FHR) 0 SW UTC-8(-7DT)

RWY 16: PAPI(P4R)—GA 4.0° TCH 38'. Building. Rgt tfc. RWY 34: REIL. PAPI(P4L)-GA 3.5° TCH 40'. Trees. Rgt tfc.

N48°31.32′ W123°01.46′

AIRPORT REMARKS: Attended 1600-0100Z±. Fuel system self syc with

credit card. Noise abatement procedures in effect ctc arpt manager 360-378-4724. Preferred Rwy 16 in calm wind

conditions. Due to high concentration of tfc invof arpt recommend ldg lgts or forward visibility lgts turned on while utilizing arpt. Rwy 16 PAPI baffled W of centerline, lateral coverage has been

narrowed to avoid obstacles during descent, maintain highest possible altitude and close alignment to rwy centerline. Acft in excess of 12,500 lbs charged fee based on weight and time of year-ctc arpt manager for information. Soft ground between tiedowns west parking area. Limited transient parking avbl during summer. ACTIVATE MIRL Rwy 16-34 and REIL Rwy 34-CTAF.

ACTIVATE rotating bcn-CTAF. Ldg fee-Acft in excess of 12,500 lbs charged, fee based on weight-ctc arpt manager for info. WEATHER DATA SOURCES: ASOS 135.675 (360) 378-8491.

COMMUNICATIONS: CTAF 128.25 R WHIDBEY APP/DEP CON 118.2

RADIO AIDS TO NAVIGATION: NOTAM FILE BLI. WHATCOM (H) VORTACW 113.0 HUH **2AWIH**

NDB (MHW) 284 FHR N48°30.73′ W123°01.43′ at fld NOTAM FILE FHR

FRIDAY HARBOR SPB (W33) 0 NE UTC-8(-7DT) N48°32.24′ W123°00.58′

LRA NOTAM FILE SEA WATERWAY 03-21: 10000X2000 (WATER)

WATERWAY 12-30: 6000X1000 (WATER) SEAPLANE REMARKS: Unattended. All tkfs should be performed N of Browns Island. Seaplanes ops warning Igts OTS

indef. US customs user fee arpt. Flight Notification Service (ADCUS) available.

COMMUNICATIONS: CTAF 128.25

GOHEEN (See BATTLE GROUND)

GOLDENDALE (S2Ø) 1 NW UTC-8(-7DT) N45°49.93' W120°50.72'

NOTAM FILE SEA В

RWY 07-25: H3491X40 (ASPH) MIRI S-4RWY 25: REIL. SAVASI (S2L). Thid dsplcd 330'. Trees. RWY 07: RFIL Fence

AIRPORT REMARKS: Unattended. NSTD white line crosses rwy near Rwy 07 marking. NSTD white line crosses rwy near Rwv 25 marking.

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE DLS.

KLICKITAT (H) VORW/DME 112.3 LTJ Chan 70 N45°42.81′ W121°06.05′ HIWAS.

GRAND COULEE DAM (See ELECTRIC CITY)

GRANT CO (See MOSES LAKE)

O C X 75 Œ P a a 34 GG G C3 C3 Chan 77 N48°56.72' W122°34.76' 195° 31.0 NM to fld. 83/20E.

Ϊ.

ദേദ

II O

a

3 G

(3 (3

ăgaa^a

G G

€3

3

a

SEATTLE

SEATTLE

SFATTI F

035° 12.9 NM to fld. 3220/21E.

L-13A

L-1E IAP

H-1R I-1D

DIAP. AD

GRAY AAF (JOINT BASE LEWIS-MCCHORD) (GRF)(KGRF) A (AR ARNG) N47°04 75' W122°34 85' B TPA—See Remarks Class I, ARFF Index Ltd. NOTAM FILE SEA Not insp.

RWY 33: SSALR.

LOM GRAYE NDB Unmonitored holidays.

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Remarks, RSTD 48 hr PPR transient acft, DSN 357-6628/5998, C253-967-6628/5998. CAUTION High volume of personnel/vehicles with negative radio communication on ground control crossing Twy G and Twy H. Numerous small arms 0.8 NM E of afld. TFC PAT TPA-E/W tfc, multi-engine fixed wing 1500(1200), single engine fixed wing 1300(1000), rotary wing

RWY 15-33: H6125X150 (ASPH)

MILITARY SERVICE: FUEL J8-Ltd supply.

RWY 15: SSALR. PAPI.

228-6598)

GRAYE NDB (MHW) 216

NDB (MHW) 216

RWY 15: Trees

(H) VORTACW 117.7

COMMUNICATIONS: CTAF 122.9

RCO 122.2 (SEATTLE RADIO)

GRFFNWATFR RANGER CREEK

GROVE FLD

HARVEY FLD

MAIUQOH

GRAYE N47°08.99' W122°36.27'.

GRF

(21W)

(See CAMAS)

USFS campgrounds east and north of rwy.

(See SNOHOMISH)

N46°56.82' W124°08.96'

HOM

NOTAM FILE SEA RWY 15-33: H2875X30 (ASPH)

military reservation ctc OPS prior to opr. Ctc Gray tfc on CTAF when twr closed. No hangar for transient acft. Runway condition reading will be reported Mon-Fri, 1500-2300Z‡ via NOTAM and ATIS during inclement winter weather. WX observation visibility is limited to 2 SM in some directions. Wx observation automated by

COMMUNICATIONS: CTAF 119.325

ramp parking limited to C-12/UC-35/C-21 and smaller acft. AR Ctc OPS DSN 357-3036, C253-967-3036. ARNG Opr Tue-Fri 1430-0100Z‡ except holidays. Transient alert not avbl. Ltd parking. PPR for acft rgr fuel and parking, DSN 323-3805, C253-912-3805.

AN/FMQ-19, WX observation augmented/backup as required. Twy E unusable to C-17 and larger acft. East

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA LACOMAS NDB (MHW) 328

I-GRF

(R) SEATTLE APP/DEP 120.1 290.9

ATIS 124.65 306.2

TOWER 119.325 256.8 276.4 (continuous, except holidays)

AIRSPACE: CLASS D svc continuous, except holidays, other times CLASS E.

OPS 41.50 138.6

LAC

PAR Opr Mon-Fri 1600-0759Z‡ except federal holidays.

10 SE

RWY 33: Trees.

Chan 124

Chan 20

GRF

AR OPS 36.10

N47°00.48′ W122°33.39′

N47°08.99′ W122°36.27′

Rwv 15.

COMM/NAV/WEATHER REMARKS: All rotary wing acft ctc Bullseye Radio prior to entry R6703A-D.

NOTAM FILE SEA.

349° 7.2 NM to Tacoma Narrows, Unmonitored holidays,

UTC-8(-7DT) N47°00.77' W121°32.02'

AIRPORT REMARKS: Unattended. Arpt CLOSED Oct 1 to Jun 1. Pedestrians, vehicles and animals on and invof rwy.

062° 8.9 NM to Bowerman. 10/19E. HIWAS.

NOTAM FILE HOM.

NW. 23 SEP 2010 to 18 NOV 2010

PCN 55 F/A/W/T HIRL

ARNG OPS 32.6

GND CON 121.9 290.2

1 E

329° 4.4 NM to fld. Unmonitored holidays.

147° 4.4 NM to fld. Unmonitored holidays.

UTC-8(-7DT)

BULLSEYE RADIO 34.6 Opr continuously, exc holidays

CLNC DEL 121.9 290.2 PMSV METRO 134.1 38.45 Full svc continuous, except holidays. Full svc may vary with local flight schedule. WX briefings for transient air crews avbl from 25 Operational Weather Squadron, Davis-Monthan AFB, DSN

SEATTLE

SEATTLE

SEATTLE

H-1B, L-1D

L-1D

1000(700). Unmanned aerial vehicles 1000(700), west tfc only. MISC Special VFR Day fixed wing 700-1, rotary wing 300-1/2. Night fixed wing not authorized, rotary wing 500-1. Acft conducting tactical opr on Fort Lewis

WASHINGTON 158 MAIIIQNH BOWERMAN (HQM) 2 W UTC-8(-7DT) N46°58.27' W123°56.19' SEATTLE FUEL 100LL JET A1+ LRA NOTAM FILE HOM H-1B, L-1D RWY 06-24: H5000X150 (ASPH) S-30, D-40, 2D-80 RWY 06: REIL. VASI(V4R)-GA 3.0° TCH 52'. Tree. Rgt tfc. RWY 24: MALSR, VASI(V4L)-GA 3.0° TCH 50'. AIRPORT REMARKS: Attended Mon-Fri 1700-0100Z‡. 100LL avbl 24 hrs a day with Credit Card. For Jet A call 360-533-6655 between 1700-0100Z‡ or call 360-310-0201 between 0100-1700Z‡. Flocks of waterfowl on and in vicinity of arpt, 103' crane 0.2 NM southwest of AER 24. Service road south of rwy in primary surface. Ultralights prohibited without written permission from IIIII ■ **☆**. arpt manager. ACTIVATE HIRL Rwy 06-24, MALSR Rwy 24 and REIL Rwy 06-CTAF. 5000 X 150 WEATHER DATA SOURCES: ASOS 135.775 (360) 538-7021. HIWAS 117.7 HQM. COMMUNICATIONS: CTAF/UNICOM 122.7 RCO 122.2 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 128.3 AIRSPACE: CLASS E svc 1400-0600Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE HOM. HOQUIAM (H) VORTACW 117.7 HOM Chan 124 N46°56.82'

W124°08 96' 062° 8.9 NM to fld. 10/19E. HIWAS. ABERN NDB (LOM) 236 HO N46°59,26′ W123°47.86′ NM **ILS/DME** 108.7 I-HOM Chan 24 Rwy 24 HOSKINS FLD (See OLYMPIA)

241° 5.8 NM to fld. LOM unusable 150°-180° bvd 10 ILWACO

LOM ABERN NDB. LOM unusable 150°-180° byd 10 NM. PORT OF ILWACO (7W1) 2 E UTC-8(-7DT) N46°18.90′ W124°00.23′ NOTAM FILE SEA RWY 10-28: H2080X50 (ASPH) S-5 MIRI

RWY 10: Road RWY 28: PAPI(P2L)-GA 4.0°. Thid dspicd 300'. Road. AIRPORT REMARKS: Unattended. ACTIVATE MIRL Rwy 10-28-CTAF. COMMUNICATIONS: CTAF 122.9

SEATTLE IONE MUNI (S23) 2 S UTC-8(-7DT) N48°42.48′ W117°24.78′ SFATTI F L-13B 2108 B NOTAM FILE SEA RWY 15-33: H4059X45 (ASPH) MIRL RWY 33: PAPI(P2L)-GA 3.0° TCH 35'.

svc indefinitely. ACTIVATE MIRL Rwy 15-33-CTAF. COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG SPOKANE (H) VORTACW 115.5

AIRPORT REMARKS: Unattended. Wildlife invof rwy. MIRL Rwy 15-33 pilot controlled lighting med and high ints out of

NDB (MHW) 379 ION N48°42.61' W117°24.82' at fld. NOTAM FILE SEA. VFR use only.

HELIPAD H1: H60X60 (CONC) MIRL

GEG Chan 102 N47°33.90′ W117°37.61′ 346° 69.2 NM to fld. 2756/21E.

JEFFERSON CO INTL (See PORT TOWNSEND)

JUMP-OFF-JOE N46°06.24' W119°07.92' SEATTLE

RCO 122.4 (SEATTLE RADIO) L-13A

KAHI OTUS

retro reflective devices. Rwy 01-19 has steep canyon walls N, E and S. Pedestrians, vehicles and animals on and invof rwy. Portions of rwy sfc rough and soft. Contact Washington State Aviation Division 360-651-6300 or 1-800-552-0666 for facility information prior to using. COMMUNICATIONS: CTAF 122.9

5 S

(WØ9)

Rwy 19: P-line.

LOWER MONUMENTAL STATE

NOTAM FILE SEA RWY 01-19: 3300X50 (GRVL) RWY 01: Tower.

813

AIRPORT REMARKS: Unattended. CLOSED Oct 1 thru Jun 1. Multiple power lines 0.4 mi NNE of arpt. Rwy marked with

SEATTLE

IAP

NW. 23 SEP 2010 to 18 NOV 2010

UTC-8(-7DT) N46°33.03' W118°32.18'

N47°45.29' W122°15.56'

KFLSN N46°09.33′ W122°54.76′ NOTAM FILE KLS

148° 2.3 NM to Southwest Washington Rgnl. NDR (MHW) 256 LSO NDB unusable 020°-120°, 120°-180° byd 15 NM, 180°-340° byd 10 NM.

KFI SO SOUTHWEST WASHINGTON RGNL (KLS) 2 SE UTC-8(-7DT) N46°07.08' W122°53.90'

FUEL 100LL, JET A

RWY 12-30: H4391X100 (ASPH) S-38, D-46, 2D-74 MIRL (NSTD)

RWY 12: REIL, PAPI(P4L)—GA 4.0° TCH 37', Trees, Rgt tfc.

LRA

NOTAM FILE KLS

RWY 30: REIL, PAPI(P4R)—GA 4.0° TCH 40', Trees.

AIRPORT REMARKS: Attended Winter 1600-0100Z‡, Summer

1600-0200Z‡. 24 hr self-service credit card fuel facility.

Numerous flocks of birds on and invof arpt. Rwy 12-30 NSTD spacing MIRL. ACTIVATE MIRL Rwy 12-30-CTAF. Flight

Notification Service (ADCUS) available. WEATHER DATA SOURCES: AWOS-3 135,075 (360) 577-1964.

COMMUNICATIONS: CTAF/UNICOM 122 8

RCO 122.25 (SEATTLE RADIO) RCO 122.55 (SEATTLE RADIO)

R SEATTLE CENTER APP/DEP CON 124.2 RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

R S4

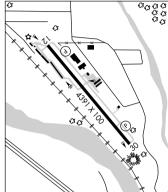
BATTLE GROUND (H) VORTACW 116.6 BTG

309° 25.7 NM to fld. 253/21E. W122°35 49'

KELSO NDB (MHW) 256 LSO N46°09.33' W122°54.76'

148° 2.3 NM to fld. NOTAM FILE KLS. NDB unusable 020°-120°, 120°-180° byd 15 NM, 180°-340°

byd 10 NM.



SEATTLE

SFATTLE

SEATTLE

I_1C

IAP

KENMORE AIR HARBOR SPB (See SEATTLE)

KENMORE AIR HARBOR INC SPB (S6Ø) 1 S

UTC-8(-7DT) FUEL 100LL, JET A LRA NOTAM FILE SEA

WATERWAY 16-34: 10000X1000 (WATER)

WATERWAY 18-36: 3000X1000 (WATER) SEAPLANE REMARKS: Attended dawn-dusk. Unlighted crane 75' AGL and pilings 6' above water Waterway 18 8 buoys mark 5 miles per hour speed limit area. Landing zone-unlgtd: seaplanes exempt from 5 miles per hour speed limit. Surface watercraft entering operating area from within channel E of waterway 16-34. Flight Notification Service (ADCUS) available.

Chan 113 N45°44.87'

COMMUNICATIONS: CTAF/UNICOM 122.7

KENNEWICK

VISTA FLD UTC-8(-7DT) N46°13.12′ W119°12.60′ (S98)3 NW S4 FUEL 100LL, JET A TPA-1334 (800) NOTAM FILE SEA

RWY 02-20: H4008X150 (ASPH) S-26 MIRL RWY 20: PAPI(P2L). Pole. RWY 02: PAPI(P2L). P-line.

AIRPORT REMARKS: Attended Mon-Fri 1600-0200Z‡, Use Rwy 02 when

wind 5 knots or less. ACTIVATE MIRL Rwy 02-20-CTAF. Parachute Jumping.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 108.4 PSC Chan 21

W119°06.94' 216° 4.8 NM to fld. 400/20E.



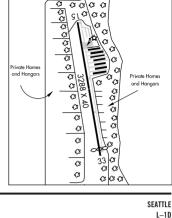
KFNT

CREST AIRPARK (\$36)

5 SE UTC-8(-7DT) N47°20.23′ W122°06.21′ S4 FUEL 100LL TPA-1472(1000) NOTAM FILE SEA RWY 15-33: H3288X40 (ASPH) S-12 LIRI

RWY 15. Trees RWY 33: Thid dspicd 281'. Trees. AIRPORT REMARKS: Attended Apr-May Sep-Oct 1600-0230Z±. Jun-Aug 1600-0330Z‡, Nov-Mar 1600-0130Z‡, 24 hr credit card fuel

avbl. Arpt CLOSED when snow on rwy. Night ops use Rwy 15, wind and weather permitting. Trees on both sides of Rwv 15-33. COMMUNICATIONS: CTAF/UNICOM 123.0 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. SEATTLE (H) VORTACW 116.8 SEA Chan 115 N47°26.12' W122°18.58' 106°10.3 NM to fld. 354/19E.



€3 3/33 SEATTLE

SEATTLE

SEATTLE

SEATTLE

SEATTLE

L-1D

H-1B, L-13A

L-1D

KITSAP N47°29.54′ W122°45.40′ NOTAM FILE PWT NDB (MHW) 206 PWT at Bremerton National. NDB unusable 210°-310° bvd 12 NM.

KLICKITAT N45°42.81′ W121°06.05′ NOTAM FILE DLS.

(H) VORW/DME 112.3 LTJ Chan 70 185° 6.4 NM to Columbia Gorge Rgnl/The Dalles Muni.

NOTAM FILE GRF. 339° 15.6 NM to Tacoma Narrows. Unmonitored holidays.

2 SW UTC-8(-7DT) N48°01.05' W122°26.26'

(See LEAVENWORTH)

rwy. Rwy marked with retro-reflective devices. Shoulders very soft and rough both sides of rwy. Ctc Washington

LAURIER RWY 17-35: 1975X40 (GRVL)

AVEY FLD STATE (69S) 2 SW UTC-8(-7DT) N48°59.90' W118°13.36' NOTAM FILE SEA IRA

3220/21E. HIWAS.

NDB (MHW) 328 LAC

LAKE WENATCHEE STATE

WHIDBEY AIR PARK

LAKE CHELAN

LACOMAS N47°00.48' W122°33.39'.

NOTAM FILE SEA RWY 16-34: H2470X25 (ASPH) RWY 16- Hill

AIRPORT REMARKS: Unattended COMMUNICATIONS: CTAF 122.9

(See CHELAN)

(W1Ø)

RWY 34: Tree.

RWY 35: Trees.

and Canadian based acft should park on north side of ramp.

RWY 17. Trees

LANGLEY

AIRPORT REMARKS: Unattended. CLOSED yearly 1 Oct-1 June. Vehicles, pedestrians and animals on and in vicinity of

COMMUNICATIONS: CTAF 122.9

State Division of Aeronautics 360-651-6300 or 1-800-552-0666 for facility information prior to use. Canadian and U.S. customs available on hwy to the west. U.S. based acft should park on the U.S. side of ramp (south)

RWY 05U-23U: 400X100 (TURF) RWY 05U: Tree. RWY 23U: Tree. AIRPORT REMARKS: Unattended. Arpt CLOSED to fixed wing acft indef. Rwy 05U-23U CLOSED indef due to severe erosion from river. Vehicles, pedestrians and animals on and in vicinity of rwy. Ctc Washington State Division of Aeronautics 206-764-4131 or 1-800-552-0666 for facility information prior to use. Rwy 05U-23U sfc rough. Rwy surface not maintained—very tall grass and weeds. COMMUNICATIONS: CTAF 122.9 HELIPAD H1: H100X100 (TURF)

LIND (ØSØ) UTC-8(-7DT) N46°58.61′ W118°35.23′ SFATTI F 2 NF 1507 R NOTAM FILE SEA RWY 05-23: H3197X50 (ASPH) MIRI RWY 23- Hill AIRPORT REMARKS: Unattended. East end of rwy has 800' by 50' dirt graded safety area. Rwy 05-23 MIRL OTS indef. Arpt rotating bcn OTS indefinitely.

L-13A

SEATTLE

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE MWH. MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65′ W119°19.01′ 097° 33 0 NM to fld 1194/18F

LITTLE GOOSE LOCK AND DAM (See STARBUCK)

LOPEZ ISLAND (S31) UTC-8(-7DT)N48°29.04′ W122°56.26′ SEATTLE 209 NOTAM FILE SEA В

RWY 16-34: H2904X60 (ASPH) S-12.5LIRL

RWY 16: PAPI(P2L)—GA 4.0° TCH 40'. Trees. Rgt tfc. RWY 34: REIL. PAPI(P2L)-GA 4.0° TCH 32'. Trees. AIRPORT REMARKS: Unattended. Rwy 16-34 soft shoulders and thids. COMMUNICATIONS: CTAF 128.25 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

NDB (MHW) 356 OPZ N48°28.76′ W122° 55.26′ at fld. VFR only.

LOST RIVER RESORT

(See MAZAMA) LOWER GRANITE STATE (See COLFAX)

LOWER MONUMENTAL STATE (See KAHLOTUS)

NOTAM FILE SEA

1693

LYNDEN (38W) 1 N UTC-8(-7DT)N48°57.35′ W122°27.49′

106 FUEL 100LL NOTAM FILE SEA

RWY 07-25: H2425X40 (ASPH) S-12

RWY 07: PAPI(P2L)-GA 3.0° TCH 15'. Thid dspicd 262'. Fence.

MIRL (NSTD)

RWY 25: PAPI(P2R)—GA 6.0° TCH 15', Thid dsplcd 433', Road. AIRPORT REMARKS: Unattended. Automated credit card system for fuel. 1850' between thid lgts, Rwy 07 thid lgts

COMMUNICATIONS: CTAF 122.9

located 134' prior to dsplcd thid. No white/red lgts past dsplcd thid. Rwy 07 thid relocated 155' for ngt ops, Rwy 25 thld relocated 434' for ngt ops. 1871' usable for ngt ops. Exposed ditch Rwy 07-25. Ngt ldgs should be performed on Rwy 07—winds permitting. ACTIVATE MIRL Rwy 07-25 and rotating beacon—CTAF.

MANSFIELD (8W3) 0 E UTC-8(-7DT) N47°48.56′ W119°38.22′ NOTAM FILE SEA 2272 B RWY 03-21: H2570X46 (ASPH) MIRI RWY 03. Pole RWY 21: Road. AIRPORT REMARKS: Unattended. Possible turbulence from grain elevators N side of arpt. COMMUNICATIONS: CTAF 122.9 MARTIN FLD (See COLLEGE PLACE) MASON CO N47°14.89′ W123°05.18′. NOTAM FILE SHN.

232° 2.7 NM to Sanderson Fld. Unmonitored. NDB (MHW) 348 MNC NDB unusable 280°-340°bevond 20 NM. MATTAWA

DESERT AIRE (M94)

RWY 10: Building.

B RWY 10-28: H3665X34 (ASPH)

3 SW

UTC-8(-7DT) N46°41.24′ W119°55.18′

MIRL

WASHINGTON

RWY 28: PAPI(P2L) GA 4.0° TCH 45'. Ground. Rgt tfc.

AIRPORT REMARKS: Unattended. Rwy 10 preferred low wind rwy (less than 5 kts). No touch and go landings prior to

0800. Noise abatement take-off procedure posted at arpt. Twy marked with retro-reflective devices. ACTIVATE MIRL Rwy 10-28 and rotating bcn-CTAF. MOSES LAKE (H) VOR/DME 115.0 MWH Chan 97 N47°12.65′ W119°19.01′ 200° 40 NM to fld.

1194/18E. MAZAMA

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

NOTAM FILE SEA

COMMUNICATIONS: CTAF/UNICOM 122.8

SEATTLE

SEATTLE

SEATTLE

SEATTLE

L-13A

L-1D

LOST RIVER RESORT (W12) 5 NW UTC-8(-7DT) N48°38.98' W120°30.12' NOTAM FILE SEA RWY 11-29: 3150X85 (TURF-GRVL) RWY 11: Road. Rgt tfc. RWY 29: Road. AIRPORT REMARKS: Unattended. CAUTION: Watch for vehicles on rwy. Arpt CLOSED 1 Nov thru 1 Apr. Rwy 29 white arrow in clear areas approximately 100' from thid.

NW. 23 SEP 2010 to 18 NOV 2010

162

COMMUNICATIONS: CTAF 122.9

16-34. A-GEAR When Rwy 16-34 activated, apch end E5 is removed. Rwy 16-34 BAK-12B 30 minute prior notice

De-ice—Expect 3 hr delay. LHOX LOX 01L 0-128-133-148-156 SOAP. SOAP results rgr 24 hr, weekdays (1530-0030Z‡) except holidays, results not avbl other times. Tran acft req SOAP will arrive with historical engine SOAP data for trend analysis. TRAN ALERT Opr 24 hr. Delays can be expected. Parking limited. MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information. RSTD PPR includes scheduled AMC missions due to limited ramp space, tran acft parking extremely ltd. 24 hr prior coordination req, Base OPS DSN 382-5611, C253-982-5611. All inbound acft must ctc Command Post no later than 30 min prior to ldg. AMC acft opr rstd during Bird Watch Condition Moderate (tkf and ldg permission only when dep/arr route avoid identified bird activity, no local IFR/VFR tfc pattern activity) and Severe (tkf and ldg prohibited without OG/CC approval), ctc PTD/ATIS/Command Post for current Bird Watch Condition. Tran aircrews conducting local area low-level training missions must receive local procedure/rstd briefing from 62 OSS/OSK at DSN 382-3615, C253-982-3615. CAUTION When performing pre-tkf engine runup, align acft so that debris is not blown toward ADTAC alert hangar or adjacent acft parking ramp. During VFR conditions, acft making low apch, normal tkf, touch and go ldg, or missed apch remain at or below 1800' until dep end of the rwy. Bird hazard. South end rwy not visible from official wx station obsn point. When fog/low clouds are present over apch end Rwy 34, condition report from obsn point may not be representative. TFC PAT Before Idg maintain tfc pattern altitude commensurate with safety as long as practicable, TPA—Rectangular 1800' (1478) overhead 2300'(1978), MISC Aircrews notify PTD anytime they plan to delay in local IFR pattern on separate clearance prior to or departure on filed flt plan. Base OPS DSN 382-5611, C253-982-5611. South 1000' Rwy 16-34 is concrete, rwy is grvd. Afld wx monitored by the AN/FMQ-19 Automated Observing System and augmented by human observer when wx flt fcst on duty. DSN 312-382-3434/5005 C 253-982-3434/5005. Opr Wx Squadron 25 OWS, Davis-Monthan AFB.

ΑF 3 S UTC-8(-7DT)

FUEL A1+

PMSV METRO 342.3 PMSV svc avbl only when wx

at fld. 284/22E. No NOTAM MP Tue, Thu

SEATTLE

SEATTLE

DIAP, AD

H-1R I-1D

FLUID SP PRESAIR

MC CHORD FIELD (JOINT BASE LEWIS-MCCHORD) (TCM)(KTCM)

N47°08.26' W122°28.59' TPA—See Remarks AOE Class I, ARFF Index Ltd. NOTAM FILE SEA Not insp.

RWY 16-34: H10108X150 (ASPH-CONC-GRVD)

RWY 162-342: H3000X60 (ASPH)

not coincidental with ILS GS. AMP-1/AMP-3 Overt/Covert assault strip lights installed in middle 5000' Rwy

RWY 16 ← HOOK E5 (240' OVRN) HOOK BAK-12B(B) (2450') HOOK BAK-12B(B) (1668') HOOK E5 (102' OVRN) →) RWY 34 MILITARY SERVICE: LGT Visual TCH set for height group 3 acft only. Rwy 16-34 center 72' thid lgt removed. PAPI GS

ARRESTING GFAR/SYSTEM

rgr to connect cable. JASU (MD-3M) 1(MD-3) 1(MA-1A) (AM32A-60) 1(MC-11)

DSN 312-228-6596/6599 C 520-228-6598/6599. Toll free 1-877-451-8367.

VOR unusable 235°-325° byd 10 NM.

UTC-8(-7DT)

COMD POST 134.1 349.4 (134.1 Commercial contract acft only)

Unusable 095°-102° byd 34 NM blo 9400'. RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

Rwv 16.

Rwv 34.

Rwv 34.

RWY 34: Trees AIRPORT REMARKS: Attended continuously. No winter maintenance.

TCM

NOTAM MP Wed and Fri 0700-1400Z‡.

NOTAM MP Wed and Fri 0700-1400Z‡.

(7ØS)

I-MAR

I-TCM

I-TCM

(See CONCRETE)

TPA-2505(600)

RWY 16-34: H2481X30 (ASPH) RWY 16: Trees.

COMMUNICATIONS: CTAF 122.9

from 25 Op Wx Flt Squadron DSN 312-228-6598/6599/6588.

Chan 33

1 N

NOTAM FILE SEA

GND CON 118.175 279.65

D-ATIS 109.6 270.1 (DSN 382-2847 C 253-982-2847.)

flt fcst on duty. Wx obsn avbl H24 via automated obsn sys. Wx flt fcst on duty normal wing flying hrs and msn C-17 limiting criteria DSN 253-382-3434, C253-982-3434. During wx flt closures remote briefing svc avbl

Back course unusable. No NOTAM MP Wed and Fri 0700-1400Z±.

N47°47.23' W117°21.49'

Back course unusable. Rwy 34 localizer critical area not protected. No

Back course unusable. Rwy 34 localizer critical area not protected. No

N47°08.86' W122°28.50'

COMMUNICATIONS: SFA

(T) VORTAC 109.6

ILS 109.9

ILS X 108.5

IIS Y 108 5

MEAD FLYING SERVICE

MEARS FLD

0700-1600Z‡.

R SEATTLE APP/DEP CON 126.5 377.15

TOWER 124.8 259.3 109.6T

RWY 34: ALSF2. TDZL. PAPI(P4R). Rgt tfc.

PCN 55 R/B/W/T HIRL (NSTD) RWY 16: ALSF1. PAPI(P4L). 0.4% up.

AIRPORT REMARKS: Attended Oct-Mar 1700Z‡-dark, Apr-Sept 1700-0300Z‡. Parachute Jumping. Transient tie downs have no ropes—pilots must supply own. Additional transient parking avbl SE corner of rwy. Rwy 25 acft parked in nrimary surface COMMUNICATIONS: CTAF 122.9 MORTON STROM FLD 0 SE UTC-8(-7DT) N46°33.02′ W122°16.00′ (39P) 941 B NOTAM FILE SEA RWY 07-25: H1810X40 (ASPH) MIRI RWY 25: Trees. RWY 07: Thid dsplcd 200'. Trees. AIRPORT REMARKS: Unattended. Trees near Rwy. Deer and elk on and invof rwy. ACTIVATE MIRL Rwy 07-25—CTAF. ACTIVATE rotating bcn-CTAF. COMMUNICATIONS: CTAF 122.9 MOSES LAKE N47°12.65′ W119°19.01′ NOTAM FILE MWH. (H) VORW/DME 115.0 MWH Chan 97 at Grant Co. Intl. 1194/18E. RCO 122.4 (SEATTLE RADIO)

NW. 23 SEP 2010 to 18 NOV 2010

WASHINGTON

(Ø9S) 3 SE UTC-8(-7DT) N48°50.45′ W117°17.04′

AIRPORT REMARKS: Unattended, Arpt CLOSED 1 Oct-1 June, Pedestrians, vehicles and wildlife on and invof arpt. Watch for ground squirrel holes in rwy. Rwy 16-34 surface rough. For rwy conditions prior to use call

UTC-8(-7DT) N47°52.28' W121°59.72'

360-651-6300 or 1-800-552-0666. Ground drops rapidly beyond Rwy 16-34 ends.

RWY 25: Thid dsplcd 500'. Pole.

SEATTLE

SEATTLE

SEATTLE

SEATTLE

H-1C, L-13A

164

MONROE

METALINE FALLS SULLIVAN LAKE STATE

2614

FIRSTAIR FLD

50 S4

NOTAM FILE SEA RWY 16-34: 1765X150 (TURF) RWY 16: Trees.

(W16)

FUEL 100

RWY 07-25: H2087X34 (ASPH)

RWY 07: Tree. Rgt tfc.

COMMUNICATIONS: CTAF 122.9 METHOW VALLEY STATE

RWY 34: Road.

(See WINTHROP)

NOTAM FILE SEA

2 NW

SEATTLE.

IAP. AD

NOTAM FILE MWH H-1C. L-13A

32R

at fld. 1194/18E.

RWY 34: PAPI(P2L)-GA 3.0°. Thid dsplcd 253'. Rgt

SEATTLE

SEATTLE

L-1D

WASHINGTON

S-85, D-155, 2S-175, 2D-320, 2D/2D2-600

771

5 NW UTC-8(-7DT) N47°12.52′ W119°19.15′

0.4% down.

DIST AVBL

4700

7550

4650

5050

ATIS 119.05

FUEL 100, 100LL, JET A1 OX 1 ARFF Index—See Remarks

MIRL

RWY LGTS (NSTD) 0.3% up NW

MOSES LAKE

GRANT CO INTL

RWY 14L: REIL, VASI(V6L)-GA 3.0° TCH 52', Bldg. RWY 32R: MALSR, PAPI(P4L)-GA 3.0° TCH 75', Rgt tfc. RWY 04-22: H10000X100 (ASPH-CONC-GRVD) S-75, D-100,

HOLD SHORT POINT

14L-32R

14L-32R

04 - 22

04 - 22

RWY 14L-32R: H13503X200 (ASPH-CONC-GRVD)

(MWH)

DAILUNG

RWY NA

RWY 14L

RWY 22

RWY 32R

2S-127, 2D-175, 2D/2D2-475 RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 50'. RWY 22: REIL. VASI(V4L)—GA 3.0° TCH 50'. Rgt. tfc. 0.3% up

R S4

RWY 09-27: H3500X90 (CONC-GRVD) S-100, D-150, 2S-270, 2D/2D2-475 RWY 27: Rgt tfc.

RWY 18-36: H3327X75 (ASPH) S-75, D-170, 2S-175, 2D-300. 2D/2D2-400 MIRL

RWY 18: Rgt tfc. RWY 14R-32L: H2936X75 (CONC) S-100, D-200, 2S-175,

2D-400, 2D/2D2-400 RWY 14R: Ground. Rgt tfc. LAND AND HOLD SHORT OPERATIONS

AIRPORT REMARKS: Attended continuously. Rwy 09-27 CLOSED except military ops. Rwy 14R-32L is CLOSED to all night ops except taxiing. Rwy 14L-32R is CLOSED nights 0600-1400Z‡ except for special military night training

Rwy distance markers Rwy 14L-32R and Rwy 04-22. Rwy 14L-32R first 10,000' apch end of Rwy 32R grvd 150' wide. Twy G unlighted. Extensive heavy military jet acft night training 1900 PM-0300 AM local daily.

WEATHER DATA SOURCES: ASOS (509) 762-5082, LAWRS. COMMUNICATIONS: CTAF 118.25 MOSES LAKE RCO 122.4 (SEATTLE RADIO)

TOWER 128.0 (WEST) 118.25 (EAST) (1400-0600Z‡) AIRSPACE: CLASS D svc 1400-0600Z± other times CLASS E. RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

ILS 109.5

closed.

I-MWH

S4

(W2Ø)

MOSES LAKE MUNI

RWY 16-34: H2513X50 (ASPH)

RWY 16: PAPI (P2L)—GA 3.0°ThId dsplcd 466'. Tree. AIRPORT REMARKS: Attended 1600-0100Z‡. Fuel avbl only Mon-Fri 1600-0100Z‡. Extensive agriculture opr in

progress. Bird hazard. Ultralight opr requested to obtain airport safety briefing from airport management prior to initial use of airport. COMMUNICATIONS: CTAF/UNICOM 123.0

MT CONSTITUTION N48°40.79' W122°50.48'

RCO 122.3 (SEATTLE RADIO)

MT VERNON

(See BURLINGTON/MT VERNON)

Rwy 32R.

2 NE

FUEL 100LL NOTAM FILE SEA

S-8

MIRL

NW. 23 SEP 2010 to 18 NOV 2010

operations. Flocks of large birds in vicinity of arpt. Class I, ARFF Index A. PPR for air carrier ops with more than 30 passenger seats 0600-1400Z± or for additional ARFF index level svc call arpt manager 509-762-5363/5304. Rwy 09-27 used as assault strip by C-17 acft. Rwy 09-27 and Twy F not visible from the twr. Rwy 18-36 available as air carrier twy movement area only. Rwy 09-27 military landing zone lights only.

Announce landing intentions on CTAF after twr closed. Heavy jet training surface to 5000' within 25 miles of

arpt, possible wake turbulence from larger acft using Rwy 14L-32R. Rwy 14L-32R NSTD HIRL located 50' from rwy edge markings. ACTIVATE MALSR Rwy 32R-CTAF. **UNICOM** 122.95

R APP/DEP CON 126.4 134.35 (1400-0600Z‡) SEATTLE CENTER APP/DEP CON 126.1 (0600-1400Z‡) **GND CON 121.9**

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65′ W119°19.01′

PELLY NDB (MHW/LOM) 408 MW N47°06.94' W119°16.47' 324° 5.9 NM to fld. Unmonitored when tower

UTC-8(-7DT) N47°08.52' W119°14.27'

Class IE LOM PELLY NDB. Unmonitored when tower closed.

NOTAM FILE BEL

LIRL (NSTD)

130° 7.1 NM to Boeing Fld/King Co Intl.

NOLLA N47°37.95′ W122°23.37′.

RWY 07-25: H3265X25 (ASPH) S-5

NDB (LOM) 362 BF

NAK HARBOR

AJ EISENBERG 3 SW UTC-8(-7DT) N48°15.09' W122°40.42' (OKH) S2 FUEL 100LL, MOGAS NOTAM FILE 76S

1.6% up E

SEATTLE

SEATTLE

SFATTI F

SEATTLE

L-1D

I=1D

I-1F

IAP

I-1D

RWY 07: PAPI(P2L)—GA 4.5°. Thid dspicd 507'. Fence. Rgt tfc. RWY 25: PAPI(P2L)-GA 4.5°. Trees. AIRPORT REMARKS: Unattended, Rwy 07-25 NSTD LIRL only W 2620' rwy lgtd. Rwy 07-25 severely cracked, spalling in some areas. PPR for Ultralights and Gliders ctc arpt manager phone 360-929-6802 or 1-866-429-2132. ACTIVATE NSTD LIRL Rwy 07-25-CTAF, PAPI Rwy 07 and Rwy 25 opr 24 hrs. 000000 WEATHER DATA SOURCES AWOS-3 132.775 (360) 675-8431 COMMUNICATIONS: CTAF/UNICOM 122.8 ATIS 134.15 (Thru Whidbey o(¬) , Jummure Island NAS/Ault Fld) 0 3265 X 25 (R) WHIDBEY APP/DEP CON 118.2 - III - -RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. PENN COVE (L) VORW/DME 117.2 CVV Chan 119 N48°14.68' W122°43.47' 060° 2.1 NM to fld. 200/19E. 0 0 0 0 ପ ପ ପ ପ

AIRPORT REMARKS: Unattended. Seabirds in safety and taxi areas and adjacent wetland. Rwy 15-33 has asph 50'

N47°22.68'

OCEAN SHORES N47°00.49' W124°09.33' RCO 122.4 (SEATTLE RADIO)

OCEAN SHORES MUNI (WØ4) 2 NE UTC-8(-7DT) N46°59.95' W124°08.54'

R NOTAM FILE SEA

RWY 15-33 H3100X50 (ASPH) S-12.5

MIRL RWY 15: PAPI(P2L)—GA 3.0° TCH 40'. RWY 33: PAPI(P2L)-GA 3.0° TCH 40'. Trees. Rgt tfc.

wide with 12.5' gryl shoulders. Parking ramp loose gravel on surface, MIRL OTS indef, ACTIVATE MIRL Rwy 15-33 and PAPI Rwy 15 and Rwy 33-122.8.

COMMUNICATIONS: CTAF 122.9 RCO 122.4 (SEATTLE RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE HOM. HOQWAM (H) VORTACW 117.7 HOM HIWAS.

hcn-122 8 COMMUNICATIONS: CTAF 122.9

ODESSA MUNI 1 N UTC-8(-7DT) N47°20.85′ W118°40.63′ (43D)

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. EPHRATA (H) VORTACW 112.6

1737 B NOTAM FILE SEA RWY 02-20: H3125X60 (ASPH) S-5 MIRL RWY 02: PAPI(P2L). RWY 20: PAPI(P2L). Brush. AIRPORT REMARKS: Unattended. ACTIVATE MIRL Rwy 02-20 and rotating

EPH

W119°25.44' 072° 30.5 NM to fld. 1250/21E.

Chan 73

SFATTI F L-13A

Chan 124 N46°56.82′ W124°08.96′ 346° 3.1 NM to fld. 10/19E.

167

SEATTLE

I-13A

SFATTLE

WASHINGTON

OKANOGAN LEGION (S35) 1 E UTC-8(-7DT) N48°21.72′ W119°34.05′

1042 B S2 FUEL 100LL NOTAM FILE SEA

RWY 04-22: H2533X36 (ASPH) S-6 MIRI RWY 22: Rgt tfc.

AIRPORT REMARKS: Unattended. Fuel by request, call 509-429-2597, 206-915-4433, 509-422-3071, 509-322-4710. ACTIVATE MIRL Rwv 04-22 CTAF.

COMMUNICATIONS: CTAF/UNICOM 122 8 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90' W117°37.61' 281° 91.7 NM to fld. 2756/21E. HIWAS.

OLYMPIA

HOSKINS FLD (44T) 5 SE UTC-8(-7DT) N46°59.56′ W122°49.66′ 213 NOTAM FILE SEA

RWY 07-25: 2015X116 (TURF)

RWY 07: Trees.

RWY 25: Trees.

AIRPORT REMARKS: Unattended. No helicopters. No ultralights. Noise abatement procedures in effect; call arpt manager 360-491-6723. Geese and ducks on and invof arpt. Mole hills west end. Recommend land Rwy 07, depart 25 when wind condition permits. Rwy 07-25 no line of sight between rwy ends.

COMMUNICATIONS: CTAF 122.9 _ _ _ _ _ _ _ _ _ OLYMPIA RGNL (OLM) 4 S UTC-8(-7DT) N46°58.16' W122°54.15'

B S4 FUEL 80, 100, 100LL, JET A OX 1, 3, 4 LRA **RWY 17–35**: H5501X150 (ASPH-GRVD) S-75, D-94, 2S-87, 2D-142

RWY 17: MALSR. PAPI(P4L)-GA 3.0° TCH 54'. RWY 35: REIL. PAPI(P4L)-GA 3.0° TCH 54'. Rgt tfc.

RWY 08-26: H4157X150 (ASPH)

RWY 08: Rgt tfc. RWY 26: Tree.

AIRPORT REMARKS: Attended 1600-0200Z‡. Twy Igts on Twy W, Twy A, Twy G, Twy L and Twy B. When twr clsd ACTIVATE HIRL Rwy 17-35,

MALSR Rwy 17, PAPI Rwy 17 and Rwy 35, REIL Rwy 35, twy Igts

and directional signage-CTAF. Landing fee. WEATHER DATA SOURCES: ASOS 135.725 (360) 943-1278, HIWAS 113.4

OLM. COMMUNICATIONS: CTAF 124.4 ATIS 135.725 **UNICOM 122.95**

(R) SEATTLE APP/DEP CON 121.1

GND CON 121.6 TOWER 124.4 (1600-0400Z‡)

AIRSPACE: CLASS D svc 1600-0400Z tother times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

(H) VORTACW 113.4 OLM Chan 81 N46°58.30' W122°54.11' at fld. 200/19E. HIWAS.

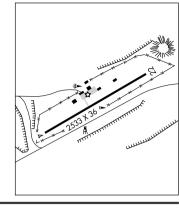
DME unusable: 223°-258° byd 20 NM blo 4,100′

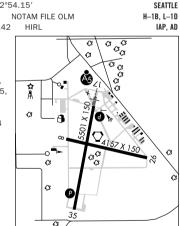
258°-283° byd 30 NM blo 4,100'

358°-043° byd 10 NM blo 6,000'

358°-043° byd 20 NM blo 7,000'

ILS 111.9 I-OLM Rwy 17. Unmonitored during hours twr closed. LOC unusable byd 25° right of COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.





OMAK UTC-8(-7DT) N48°27.87′ W119°31.08′ (OMK) 3 N 1305 B S4 FUEL 100LL, JET A NOTAM FILE OMK

RWY 17-35: H4667X150 (ASPH) S-75, D-200, 2D-400 HIRI

RWY 17: REIL. VASI(V2L)-GA 3.0° TCH 43'. RWY 35: REIL. VASI(V2L)-GA 3.0° TCH 46'. AIRPORT REMARKS: Attended Mon-Fri 1500-0000Z‡. Fuel avbl 24

hrs-credit card. ACTIVATE HIRL Rwv 17-35-CTAF. WEATHER DATA SOURCES: ASOS 118.325 (509) 826-2655. COMMUNICATIONS: CTAF/UNICOM 122.8

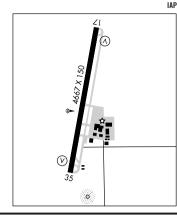
RCO 122.2 (SEATTLE RADIO)

SEATTLE CENTER APP/DEP CON 126.1 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90' W117°37.61′ 285° 93.4 NM to fld. 2756/21E. HIWAS.

NDB (MHW) 219 OMK N48°27.20′ W119°31.02′ at fld

NOTAM FILE OMK. Unusable byd 15 NM.



SEATTLE

I-13A

ORCAS ISLAND (See EAST SOUND)

OROVILLE

DOROTHY SCOTT (ØS7) 2 NE 1064 B S4 FUEL 100LL AOE NOTAM FILE SEA

S-5

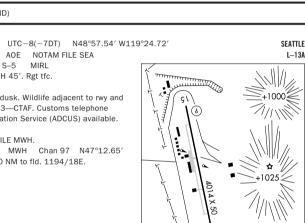
RWY 15-33: H4014X50 (ASPH) MIRL RWY 15: PAPI(P2L)-GA 3.0° TCH 45'. Rgt tfc.

RWY 33: Road. AIRPORT REMARKS: Attended dawn-dusk. Wildlife adjacent to rwy and twv. ACTIVATE MIRL Rwv 15-33-CTAF, Customs telephone

509-476-2955. Flight Notification Service (ADCUS) available. COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE MWH.

MOSES LAKE (H) VORW/DME 115.0 MWH Chan 97 N47°12.65' W119°19.01' 340° 105.0 NM to fld. 1194/18E.



ଫଫଫ C3 Orchard

OTHELLO MUNI UTC-8(-7DT) N46°47.69′ W119°04.75′ (S7Ø) 4 SE 1149 B

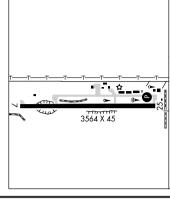
FUEL 100LL, JET A NOTAM FILE SEA RWY 07-25: H3564X45 (ASPH) MIRL

RWY 25: REIL. PAPI(P2R). Road. AIRPORT REMARKS: Unattended. Rwy 07 berm both sides of rwy. Farm machinery parked in primary sfc S of centerline. ACTIVATE MIRL

Rwy 07-25 and PAPI Rwy 25-CTAF. REIL Rwy 25 operates 24 hrs

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 108.4 PSC Chan 21 W119°06.94' 343° 32.0 NM to fld. 400/20E.



PACKWOOD UTC-8(-7DT) N46°36.25′ W121°40.67′ (55S) 0 W 1057 B NOTAM FILE SEA

RWY 01-19: H2356X38 (ASPH) MIRL

RWY 01: Fence. RWY 19: Trees. AIRPORT REMARKS: Unattended. Rwy 01-19 soft shoulders both sides, use rwy for back taxi. ACTIVATE MIRL Rwy 01-19-CTAF.

COMMUNICATIONS: CTAF 122.9 PAGE (See WALLA WALLA)

PAINE N47°55.19′ W122°16.67′ NOTAM FILE PAE.

(L) VORW/DME 110.6 PAE

Chan 43

at Snohomish Co (Paine Fld). 670/20E.

RCO 122.55 (SEATTLE RADIO)

PANGBORN MEM (See WENATCHEE)

PASCO N46°15.78′ W119°06.94′ NOTAM FILE PSC.

(L) VORW/DME 108.4 PSC Chan 21

DME portion unusable:

at Tri-Cities. 404/20E. 150°-195° beyond 35 NM below 5500';

195°-220° beyond 35 NM below 4500'.

SEATTLE

I-13A

SEATTLE

SEATTLE

SEATTLE

L-13A

H-1B, L-1D

PASCO

TRI-CITIES

30-CTAF.

PEARSON FLD

NOTAM FILE PSC RWY 03L-21R: H7711X150 (ASPH-GRVD)

(PSC)

S4

S-120, D-170, 2S-175, 2D-320 HIRI

FUEL 100LL, JET A1 + 0X 2 TPA—See Remarks Class I, ARFF Index B

more than 30 passenger seat call arpt manager 509-547-6352. TPA-1910(1500) turbine powered acft, all others 1410(1000). Rwy 21L and Rwy 03R not avbl as movement area for air carrier acft with more than 9

2 NW UTC-8(-7DT) N46°15.88' W119°07.14'

RWY 03L: REIL PAPI(P4L)—GA 3.0° TCH 50'. Tree. RWY 21R: MALSR. PAPI(P4L)-GA 3.0° TCH 54'. Thid dspicd 600'.

Pole, Rgt tfc. RWY 12-30: H7703X150 (ASPH-GRVD) S-150, D-200, 2S-175.

2D-400 MIRL

RWY 12: REIL. VASI(V4L)-GA 3.0° TCH 56'.

RWY 30: ODALS, PAPI(P4L)—GA 3.0° TCH 54', Thid dspicd 200'. Tree

RWY 03R-21L: H4423X75 (ASPH) S-52, D-85, 2S-108, 2D-150 RWY 03R: Rgt tfc. RWY 21L: Pole.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 03L: TORA-7711 TODA-7711 ASDA-7711 LDA-7711

RWY 03R: TORA-4423 TODA-4423 ASDA-4423 LDA-4423 RWY 12: TORA-7703 TODA-7703 ASDA-7503 LDA-7503 RWY 21L: TORA-4423 TODA-4423 ASDA-4423 LDA-4423

RWY 21R: TORA-7711 TODA-7711 ASDA-7711 LDA-7111 ASDA-7703 TODA-7703 RWY 30: TORA-7703 AIRPORT REMARKS: Attended 1600-0400Z±. After hrs fuel call

509-547-6271 or 509-545-5524. Call out fee. Fuel 24 hour credit card svc avbl. Waterfowl on and in vicinity of arpt spring and fall. PPR to unscheduled air carrier ops with

passenger seats or greater for Idg and tkf. Rwy 03R-21L is avbl for air carrier acft for taxiing during dalgt and VFR conditions only. Touchdown rwy visual range avbl for Rwy 21R, When twr clsd HIRL Rwy 03L-21R and MIRL Rwy 12-30 preset on low intensity to increase intensity and ACTIVATE MALSR Rwy 21R and ODALS Rwy

WEATHER DATA SOURCES: ASOS (509) 547-7379. LAWRS. SAWRS. COMMUNICATIONS: CTAF 135.3 ATIS 125.65 UNICOM 122.95 JUMP-OFF-JOE RCO 122.4 (SEATTLE RADIO)

R CHINOOK APP/DEP CON 128.75 N and W 133.15 S and E (1400-0600Z‡).

(R) SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z‡). TOWER 135.3 (1400-0600Z‡) GND CON 121.8 **CLNC DEL** 120.0

AIRSPACE: CLASS D svc 1400-0600Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE PSC. PASCO (L) VORW/DME 108.4 PSC Chan 21 N46°15.78′ W119°06.94′

DUNEZ NDB (LOM) 331 PS N46°20.29' W119°00.75' 205° 6.3 NM to fld. Unmonitored when twr clsd. ILS 108.7 I-PSC Rwy 21R. LOM DUNEZ NDB. Unmonitored when tower closed. Class IE.

PELLY N47°06.94′ W119°16.47′. NOTAM FILE MWH.

(See VANCOUVER)

NDB (MHW/LOM) 408 MW 324° 5.9 NM to Grant Co. Intl. Unmonitored when tower closed.

PENN COVE N48°14.68′ W122°43.47′. NOTAM FILE SEA.

(L) VORW/DME 117.2 CVV Chan 119

200/19E.

DME portion unusable:

126°-160° 30 NM blo 2,200'.

250°-260° byd 30 NM blo 3,400'. 330°-360° byd 30 NM blo 2,200'. PIERCE CO-THUN (See PUYALLUP)

NW. 23 SEP 2010 to 18 NOV 2010

at fld. 404/20E.

N48°14.68′ W122°43.47′ 060° 2.1 NM to AJ Eisenberg.

SEATTLE L-1E

L-13A

SFATTI F

SEATTLE

IAP. AD

H-1C, L-13A

AIRPORT REMARKS: Attended Apr-Oct continuously. When able land to the N and depart to the S. Traffic pattern W of fld over water. Noise abatement procedures in effect, contact airport manager for details at 360-945-3139.

UTC-8(-7DT)

1.4% up SE

LRA

LIRL

SEATTLE

SEATTLE

SEATTLE

IAP. DIAP

L-1E

L-1E

IAP

POINT ROBERTS AIRPARK (1RL) 1 SW UTC-8(-7DT) N48°58.78' W123°04.73' NOTAM FILE SEA

RCO 122.6 (SEATTLE RADIO) PORT ANGELES CGAS

RWY 16-34: 2265X125 (TURF) RWY 16: Brush. Rgt tfc. RWY 34: Brush.

COMMUNICATIONS: CTAF/UNICOM 122 8 PORT ANGELES N48°06.99' W123°29.13'

(NOW) (KNOW) CG 2 N UTC-8(-7DT) N48°08.49′ W123°24.84′

FUEL J5 NOTAM FILE SEA RWY 07-25: H4500X150 (ASPH) MIRL MILITARY SERVICE: JASU 1(MD-3)

FUEL J5. Avbl 1500-0000Z‡, other times Itd to search and rescue and CG missions. TRAN ALERT Tran acft arrive between 1500-0000Z‡ only. Ctc Port Angeles Air on 345.0 or 127.7 15 min prior to Idg.

MILITARY REMARKS: RSTD CLOSED to non-CG fixed wing acft. 24 hr PPR C360-417-5840. CAUTION 150' twr 75 yards

south of rwy, marked by strobe lgt. COMMUNICATIONS: CTAF/UNICOM 122.975 SEATTLE RADIO 122.6

WHIDBEY APP/DEP 118.2 285.65 CLNC DEL 124.15 PORT ANGELES AIR 127.7 345.0 RADIO AIDS TO NAVIGATION: NOTAM FILE SEA

EDIZ HOOK NDB (MHW) 338 K N48°08.39' W123°24.13' at fld. OTS indef. NDB unusable: 085°-110° byd 20 NM

110°-140° bvd 15 NM 140°-180° bvd 10 NM

COMM/NAV/WEATHER REMARKS: Advisory information avbl at Port Angeles Air on prior notice: other CG frequencies avbl

on request.

. .

HELIPAD H1: H100X100 (ASPH)

PORT ANGELES WILLIAM R FAIRCHILD INTL (CLM) 3 NW

S4

FUEL 100LL, JET A OX 2

RWY 08-26: H6347X150 (ASPH-GRVD) RWY 08: MALSR, VASI(V4L)-GA 3.0° TCH 47', Trees.

RWY 26: REIL. SAVASI(S2L)-GA 4.0° TCH 49'. Thid dspicd 1354'. Antenna. Rgt tfc. RWY 13-31: H3245X50 (ASPH)

RWY 13: Trees.

ILS 108.9

360-452-6206, Rwy 13-31 CLOSED SS to SR, Waterfowl and birds on and invof arpt. Increased bird activity due to waste landfill located ½ mile northwest AER 08. No air carrier ops. Arpt surrendered arpt opr certificate 12/9/05. ACTIVATE MIRL Rwy 08-26 and MALSR Rwy 08-CTAF.

WEATHER DATA SOURCES: ASOS 135.175 (360) 457-1070. COMMUNICATIONS: CTAF/UNICOM 122.975 PORT ANGELES RCO 122.6 (SEATTLE RADIO) R WHIDBEY APP/DEP CON 118.2 CLNC DEL 124.15 AIRSPACE: CLASS E svc 1300-0730Z‡ other times CLASS G.

> RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17 99' W124°37.62' 081° 46.5 NM to fld. 1652/22E. HIWAS. ELWHA NDB (MHW/LOM) 515 CL NDB unusable 100°-235° beyond 12 NM.

S-30

RWY 31: Trees. Rgt tfc. AIRPORT REMARKS: Attended 1500-0100Z‡. For after hours Jet A call

PORT OF ILWACO (See ILWACO) PORT OF POULSBO MARINA MOORAGE SPB

I-CLM

N48°09.01' W123°40.22' Rwy 08. Class IA. LOM ELWHA NDB. Localizer unusable inside thld.

(See POULSBO)

N48°07.21' W123°29.98' SEATTLE NOTAM FILE CLM H-1B, L-1E S-55, D-66, 2S-83, 2D-115 MIRL

180°-245° byd 15 NM

245°-340° bvd 10 NM

Camping/Picnic à_C ପ ଫ 👸 ഗ്ദേദ Ø 03 ଫ ଫ ଫ Œ 083° 7.1 NM to fld. NOTAM FILE CLM.

PORT OF WHITMAN BUSINESS AIR CENTER (See COLFAX)

PORT TOWNSEND

JEFFERSON CO INTL (ØS9) 4 SW UTC-8(-7DT) N48°03.23' W122°48.64' B S4 FUEL 100LL TPA-998(890) AOE NOTAM FILE SEA

RWY 09-27: H3000X75 (ASPH) S-12.5 MIRI RWY 09: REIL, PAPI(P2L)—GA 3.0° TCH 30', Hill, Rgt tfc.

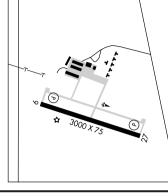
RWY 27: REIL. PAPI(P2R)-GA 3.0° TCH 30'. Tree.

AIRPORT REMARKS: Attended 1700-0100Z±, 100LL fuel avbl 24 hrs

with credit card. No cash sales. Noise abatement procedures in effect ctc arpt manager 360-385-0656. Tkf and ldg prohibited on

turf next to rwy. ACTIVATE MIRL Rwy 09-27-CTAF. COMMUNICATIONS: CTAF/AUNICOM 123.0 RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' 271° 22.9 NM to fld. 670/20E.



SEATTLE

SEATTLE

L-1D

POULSBO PORT OF POULSBO MARINA MOORAGE SPB (83Q) O N UTC-8(-7DT)

N47°44.04′ W122°38.84′ 00 NOTAM FILE SEA

WATERWAY 13-31: 12000X4000 (WATER) SEAPLANE REMARKS: Attended May -Sep 1600-0330Z±, Oct-Apr 1600-0030Z±, Orange buoy 100' southwest of tran

dock marks low tide rocks. COMMUNICATIONS: CTAF 122.9

PROSSER (S4Ø) 1 NW UTC-8(-7DT) N46°12.80′ W119°47.48′ S4 FUEL 100LL TPA-1497(800) NOTAM FILE SEA

RWY 07-25: H3453X60 (ASPH) S-16 MIRI RWY 07: REIL. PAPI(P2R)-GA 3.0° TCH 20'. Trees. RWY 25: REIL. PAPI(P2L)-GA 4.0° TCH 26'. Rgt tfc.

operations with retro-reflective devices. PAPI Rwy 07 OTS indef. ACTIVATE MIRL Rwy 07-25 and REIL Rwy 07 and Rwy 25-CTAF. COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE PSC.

PASCO (L) VORW/DME 108.4 PSC Chan 21 N46°15.78' W119°06.94' 244° 28.3 NM to fld. 400/20E.

AIRPORT REMARKS: Attended 1700-0100Z‡. Twys marked for night

SEATTLE L-13A 3453 X 60

PULLMAN/MOSCOW RGNL (See PULLMAN/MOSCOW)

(See RITZVILLE)

PRU FLD

PULLMAN/MOSCOW. ID

PULLMAN/MOSCOW RGNL (PUW) 3 NE UTC-8(-7DT) N46°44.63′ W117°06.58′ FUEL 100LL, JET A Class I, ARFF Index A NOTAM FILE PUW

H-1C, L-13B

SEATTLE

SEATTLE

IAP

RWY 05-23: H6730X100 (ASPH) S-57, D-75, 2S-95, 2D-135 RWY 05: REIL. PAPI(P2L)-GA 3.0° TCH 55'. Thid dsplcd 290'.

RWY 23: REIL. PAPI(P4L)—GA 4.0° TCH 60'. Thid dsplcd 801'. Ground.

RUNWAY DECLARED DISTANCE INFORMATION:

RWY 05: TORA-6730 TODA-6730 ASDA-6490 LDA-6200 RWY 23: TORA-6730 TODA-6730 ASDA-6040 LDA-5240 AIRPORT REMARKS: Attended 1600-0200Z±, CLOSED to unscheduled

air carrier ops with more than 30 passenger seats except PPR call arpt manager 509-338-3223. Non-paved areas soft. Acft must

delay taxiing and remain behind the intermediate holding position line when large acft ops are in progress. No parking between rwy and taxiway and within 30' of taxiway to the north west. ACTIVATE HIRL Rwv 05-23, and REIL Rwv 05 and Rwv 23-CTAF, Landing fee for all commercial acft WEATHER DATA SOURCES: ASOS 135.675 (509)334-3222. HIWAS 109.0

RCO 122.6 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 123.95

PIJW

AIRSPACE: CLASS E svc Mon-Fri 1400-0600Z‡, Sat 1700-0000Z‡, Sun 1900-0600Z‡ other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE PUW. (L) VORW/DME 109.0 PUW Chan 27 N46°40.46′ W117°13.41′ 028° 6.3 NM to fld. 2720/20E. HIWAS.

COMMUNICATIONS: CTAF/UNICOM 122.8

DME unmonitored.

N47°08.86'

PIIYAI I IIP

PIERCE CO-THUN FLD (PLU) 5 S UTC-8(-7DT) N47°06.24′ W122°17.23′ 538 B S4 FUEL 100LL 0X 4 TPA-1538(1000) NOTAM FILE PLU

RWY 16-34: H3650X60 (ASPH) MIRL RWY 16: REIL. PAPI(P4L)-GA 4.0° TCH 53'. Trees.

RWY 34: REIL. PAPI(P4R)-GA 4.0° TCH 53'. Road.

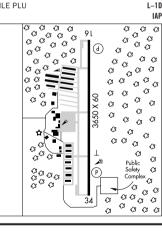
AIRPORT REMARKS: Attended 1600Z±-dusk, Fuel avbl 24 hours with credit card. Ultralights prohibited. Noise sensitive all quadrants. WEATHER DATA SOURCES: AWOS-3 128.575 (253) 848-2748.

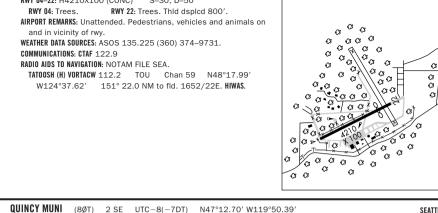
COMMUNICATIONS: CTAF/UNICOM 122.7 SEATTLE APP/DEP CON 126.5 **CLNC DEL** 121.85

RADIO AIDS TO NAVIGATION: NOTAM FILE TCM.

McCHORD (T) VORTAC 109.6 TCM Chan 33

087° 8.1 NM to fld. 284/22E. No NOTAM MP Tue. Thu 0700-1600Z±.





UTC-8(-7DT) N47°12.70′ W119°50.39′

Chan 47 N47°23.98' W120°12.65' 108° 18.9 NM to fld.

SEATTLE

L-13A

RWY 09-27: H3660X50 (ASPH) MIRL RWY 09: Road. RWY 27: PAPI(P2R)-GA 3.0° TCH 100', Road. AIRPORT REMARKS: Unattended.

COMMUNICATIONS: CTAF 122.9 RADIO AIDS TO NAVIGATION: NOTAM FILE EAT.

(See ROCHESTER)

WENATCHEE (L) VORW/DME 111.0 EAT

NOTAM FILE SEA

1224/19E. HIWAS. DME unmonitored.

1271 B

R & K SKYRANCH

COM/NAV/WEATHER REMARKS: HIWAS unavailable.

RANGER CREEK (See GREENWATER)

RAYMOND (See SOUTH BEND/RAYMOND)

SEATTLE.

IAP. AD

SFATTLE

L-13A

H-1B. L-1D

RENTON

RENTON MUNI (RNT) 0 NW UTC-8(-7DT) N47°29.59′ W122°12.95′

S4 FUEL 100LL JET A1 + OX 1. 2 TPA—See Remarks LRA MIRL (NSTD)

RWY 16-34: H5382X200 (ASPH-CONC-GRVD) S-100, D-130, 2D-340 RWY 16: REIL. PAPI(P2L)—GA 3.0° TCH 50'. Thid dsplcd 300'. Trees

RWY 34: REIL. PAPI(P2L)—GA 3.75° TCH 59'. Thid dspicd 340'.

Road. Rgt tfc. AIRPORT REMARKS: Attended 1500Z±-Dusk. Acft requiring sycs ctc

122.85 or 122.95. Numerous flocks of birds invof arpt and along

Lake Washington shoreline at all times. Rwy 34 20' blast fence 190' from end of rwy. Be alert for Boeing production acft being towed across the rwy during hours twr closed. Seaplane base NW corner of arpt. TPA-1032(1000). TPA west of the fld is 1218' AGL

due to terrain immediately west of the arpt. West twy closed to acft with wing span 118' or over. Noise abatement procedures in effect ctc arpt manager 425-430-7471, Rwy 16-34 NSTD MIRL. 340' SE end unlit. ACTIVATE MIRL Rwy 16-34. REIL Rwy 16 and Rwy 34 and twy Igts—CTAF. Flight Notification Service (ADCUS)

WEATHER DATA SOURCES: ASOS (425) 255-6080, LAWRS, COMMUNICATIONS: CTAF 124.7 ATIS 126.95

UNICOM 122.95 R SEATTLE APP/DEP CON 119.2 (076°-160° Rwy 16) (341°-075°) 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) TOWER 124.7 (Oct 1-Apr 30 1500-0400Z‡, May 1-Sep 30 1500-0500Z‡)

AIRSPACE: CLASS D svc Oct 1-Apr 30 1500-0400Z‡, May 1-Sep 30 1500-0500Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

SEATTLE (H) VORTACW 116.8 Chan 115 N47°26.12′ W122°18.58′ SEA NDR (MHW) 353 RNT N47°29.73′ W122°12.88′ at fld. NOTAM FILE RNT.

NDB unusable 035°-085° beyond 20 NM. COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

WILL ROGERS WILEY POST MEM SPB (W36) 1 N UTC-8(-7DT) FUEL 100LL, JET A, JET A1+ OX 1, 2 LRA NOTAM FILE RNT

WATERWAY 12-30: 5000X200 (WATER)

WATERWAY 12: Rgt tfc

N47°22.68'

SEAPLANE REMARKS: Attended 1500Z‡-Dusk. Ctc Renton twr when operating, for tfc data. When twr not operating

ctc Boeing twr freq 118.3 for traffic advisories. Flocks of waterfowl in vicinity, CAUTION advised ldgs and takeoffs. Extensive boating and personal watercraft in vicinity. Flight Notification Service (ADCUS) available. COMMUNICATIONS: CTAF 124.7 **UNICOM 122.8** REPUBLIC

FERRY CO (R49) 6 NE UTC-8(-7DT) N48°43.09' W118°39.39'

2522 B TPA-3322(800) NOTAM FILE SEA MIRL RWY 17-35: H3498X60 (ASPH)

RWY 17: REIL. Tree. Rgt tfc.

RWY 35: REIL. VASI(V2L)-GA 4.0° TCH 23'. Trees.

AIRPORT REMARKS: Unattended. Suggest ngt ldgs be made on Rwy 35.

Rwy 17-35 trees located on unlgtd unmarked mountainous

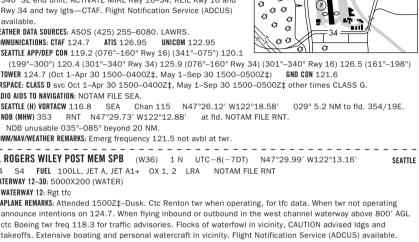
terrain. P-lines NE of Rwy 17 Igtd dusk-dawn. ACTIVATE MIRL Rwy

17-35 and VASI Rwy 35, REIL Rwy 17 and Rwy 35-122.8. COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH. EPHRATA (H) VORTACW 112.6 EPH

Chan 73

W119°25.44' 360° 86.2 NM to fld. 1250/21E.



NOTAM FILE RNT

O C

€3 G C3

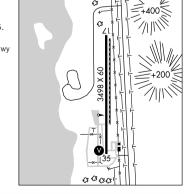
Œ

Ø

€3 €3

ଔ

ଫ ଫ G G



RIB00 N46°22.23′ W119°15.55′.

COMMUNICATIONS: CTAF/UNICOM 122.7 (R) CHINOOK APP/DEP CON 128.75 (1400-0600Z‡). (R) SEATTLE APP/DEP CON 132.6 (0600-1400Z‡). RADIO AIDS TO NAVIGATION: NOTAM FILE PSC. PASCO (L) VORW/DME 108.4 PSC

W119°06.94'

NDB (LOM) 260 RI 186° 4.3 NM to Richland. LOM unmonitored when PASCO twr clsd.

NOTAM FILE SEA.

RICHLAND

2 NW UTC-8(-7DT)N46°18.34′ W119°18.25′ (RLD) FUEL 100LL, JET A TPA-1194(800) NOTAM FILE RLD

RWY 01-19: H4009X75 (ASPH) S-30, D-45, 2D-70 MIRL

RWY 01: REIL. PAPI(P2L)—GA 3.0° TCH 30'. Antenna.

RWY 19: MALS. REIL. PAPI(P2L)-GA 3.0° TCH 30'. Pole. Rgt tfc. RWY 08-26: H3995X100 (ASPH) S-30, D-45, 2D-70

RWY 08: ODALS, PAPI(P2L) GA 3.0° TCH 40', Ground.

RWY 26: VASI(V4L)-GA 3.0° TCH 50'. Railroad. Rgt tfc. AIRPORT REMARKS: Attended 1600-0200Z±, Parachute Jumping.

CAUTION: Road 550' west of approach end of Rwy 08. Rwy 08

CLOSED nights to Part 135 operations. ACTIVATE MIRL Rwy

01-19. REIL Rwy 01 and Rwy 19. MALS Rwy 19 and ODALS Rwy

08-CTAF, VASI Rwy 26 and PAPI Rwy 01, Rwy 08 and Rwy 19 opr

WEATHER DATA SOURCES: AWOS-3 132.675 (509) 375-4247.



4.3 NM to fld. LOM unmonitored when PASCO twr clsd. ILS/DME 110.5 I–RLD Chan 42 Rwv 19 Localizer only. LOM RIBOO NDB. Unmonitored when PASCO

Chan 21

COMM/NAY/WEATHER REMARKS: CLNC DEL provided by SEATTLE Radio on 122.4. RIMROCK

268° 8.3 NM to fld. 400/20E.

RIBOO NDB (LOM) 260 RL N46°22.23' W119°15.55'

TIETON STATE (4S6)2 S UTC-8(-7DT) N46°38.25' W121°07.44'

2964 NOTAM FILE SEA

RWY 02-20: 2509X140 (TURF)

RWY 20: Trees. RWY 02: Trees.

AIRPORT REMARKS: Unattended. CLOSED 1 Oct-1 June. Rwy 02 obstructed by mountains at 1000'. Rwy 20 obstructed by mountains at 1000'. Pedestrians, vehicles and wildlife on and invof arpt. Rwy 02-20 surface rough. Ctc

Washington State Aviation Division 360-651-6300 or for Washington only 1-800-552-0666 for facility information prior to use COMMUNICATIONS: CTAF 122.9

RITTS N48°03.17′ W122°17.33′. NOTAM FILE PAE. NDB (LOM) 396 PA 158° 8.8 NM to Snohomish Co (Paine Fld).

1869

SEATTLE

SEATTLE

SEATTLE

L-13A

IAP

SEATTLE

RUNWAY DECLARED DISTANCE INFORMATION RWY 01: TORA-2614 TODA-2614 ASDA-3433 IDA-3433 TORA-3433 TODA-3433 RWY 19-ASDA-3433 IDA-2614 AIRPORT REMARKS: Unattended, Arpt CLOSED when snow and ice on rwy. ACTIVATE MIRL Rwy 01-19 and PAPI Rwy 01 and Rwy

RWY 19: PAPI(P2R)—GA 3.5° TCH 45', Thid dsplcd 820', Trees.

S-12.5

MIRI

19-CTAF. COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE GEG. SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33 90' W117°37.61' 209° 40.9 NM to fld. 2756/21E. HIWAS.

RIT7VIII F PRU FLD

(33S)

RWY 01-19: H3433X40 (ASPH)

B NOTAM FILE SEA

RWY 01: PAPI(P2L)-GA 4.0° TCH 40'. P-line.



ROCHE HARBOR SPB (W39) 0 SW UTC-8(-7DT) N48°36.49′ W123°09.58′ 00 NOTAM FILE SEA WATERWAY NE-SW: 5000X1000 (WATER) WATERWAY NW-SE: 2500X500 (WATER)

```
SEAPLANE REMARKS: Unattended. CAUTION—boats in landing areas and in docking area.
       COMMUNICATIONS: CTAF 128.25
ROCHESTER
                               1 N UTC-8(-7DT) N46°49.96′ W123°05.49′
                                                                                                        SEATTLE
```

R & K SKYRANCH (8W9)

TPA-999(850) NOTAM FILE SEA RWY 18-36: 2750X45 (TURF)

RWY 18: Thid dsplcd 575'. P-line. RWY 36: Thid dsplcd 300'. Fence. RWY 16-34: 2480X35 (TURF) RWY 16: Thid dsplcd 700'. Trees. RWY 34: Thid dsplcd 327'. Fence.

AIRPORT REMARKS: Unattended. Arpt CLOSED except PPR call arpt mgr 360-273-9893. No touch and go landings. Rwy 16-34 and Rwy 18-36 marked with reflectors. Rwy 16 first 1,100' has shrubs and 70'+ trees

WASHINGTON

approximately 15' from rwy edges.

COMMUNICATIONS: CTAF/UNICOM 123.0

ROSALIA MUNI (72S) 2 W UTC-8(-7DT) N47°14.19′ W117°25.28′ SEATTLE

2170 B FUEL 100LL NOTAM FILE SEA

MIRI

RWY 02-20: H2807X45 (ASPH)

RWY 02: Thid dspicd 165'. Tree. RWY 20: PAPI(P2L)-GA 4.5° Thid dsplcd 137'. Road.

RUNWAY DECLARED DISTANCE INFORMATION:

RWY 02: TORA-2807 TODA-2807 ASDA-2670 LDA-2505

RWY 20: TORA-2807 TODA-2807 ASDA-2642 LDA-2505

AIRPORT REMARKS: Unattended. Rwy 02-20 taxiway reflectors-not taxiway lgts. Rotating bcn OTS indef. ACTIVATE

MIRL Rwy 02-20-122.8.

COMMUNICATIONS: CTAF 122.9

ROSARIO SPB (W49) 0 S UTC-8(-7DT) N48°38.74′ W122°52.08′ SEATTLE

NOTAM FILE SEA WATERWAY 16-34: 10000X1000 (WATER)

WATERWAY 16: Hill. WATERWAY 07-25: 2500X1000 (WATER) WATERWAY 07: Hill. WATERWAY 25: Hill. SEAPLANE REMARKS: Attended dalgt hrs. Tran dock avbl. COMMUNICATIONS: CTAF 128.25

SANDERSON FLD (See SHELTON)

(See CHEWELAH)

SAND CANYON

178

SEATTLE N47°26.12′ W122°18.58′ NOTAM FILE SEA. (H) VORTACW 116.8 SEA Chan 115 at Seattle-Tacoma Intl. 354/19E. VOR portion unusable:

303°-333° beyond 20 NM below 2.900' 008°-023° beyond 30 NM below 4.100' 303°-333° beyond 30 NM below 4,000' 233°-273° beyond 8 NM below 5,500'

S-100, D-160,

S-35 D-60

008°-028° byd 20 NM blo 4,500' 008°-028° bvd 30 NM blo 7.000' RCO 123.65 (SEATTLE RADIO) RCO 122.5 (SEATTLE RADIO)

333°-353° beyond 15 NM below 3.500'

353°-008° beyond 20 NM below 2,900'

008°-023° beyond 20 NM below 3.500'

SEATTLE

BOEING FLD/KING CO INTL (BFI)

DME portion unusable:

4 S

S4 FUEL 100LL, JET A OX 1, 2,3, 4 Class II. ARFF Index A NOTAM FILE BFI

RWY 13R-31L: H10000X200 (ASPH-GRVD) HIRL 2S-175, 2D-340

RWY 13R: MALSF. PAPI(P4L)-GA 3.0° TCH 39'. Fence. Rgt tfc. RWY 31L: REIL. PAPI(P4L)—GA 3.1° TCH 39', Thid dspicd 880'.

RWY 13L-31R: H3710X100 (ASPH-GRVD)

RWY 13L: REIL. PAPI(P2L)—GA 3.0° TCH 39'. Thid dspicd 240'. Glide Slope Antenna.

RWY 31R: REIL, PAPI(P2L)—GA 3.0° TCH 39', Thid dspicd 365'. Tree. Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION: RWY 13R: TORA-10001 TODA-10000 ASDA-9120 LDA-9120

RWY 31L: TORA-10001 TODA-10001 ASDA-10001 LDA-9120 AIRPORT REMARKS: Attended continuously. Bird flocks within arpt vicinity, check local advisories. BFI Tower is authorized to conduct

simultaneous same direction ops to parallel rwys SR to SS for twin engine propeller driven or smaller acft. Rwv 13L-31R not available for air carrier ops. Rwy 13L-31R limited to use by acft

up to 12,500 lbs. Touch and go ldgs prohibited 0600-1500Z‡. Twr 80' AGL located 1200' north and 900' west of thid Rwy 13R. If access to Boeing ramp required; ctc Boeing Flight Dispatch 206-655-3421 for approval during normal duty hours. Twy A6 clsd indef. Twy B8 clsd indef. Twy A1 and Twy A from A1-A3 restricted to acft up to 150,000 pounds and less than 108' wingspan. Twy A2, B2 and

A11 restricted to acft up to 60,000 pounds. Twy A3, A5, and A8 restricted to acft up to 12,500 pounds. PPR for parking arrangements for acft over 12,500 lbs maximum tkf weight is recommended. Twy A, B, and all intersections have NSTD markings. Extensive helicopter training activity on Twy B. For noise abatement

206-764-5710. Itinerant/transient parking avbl. Ctc ops 206-296-7334. PPR for acft greater than 12,500 lbs. Rwy 13L-31R TPA-1000(979), Rwy 13R-31L TPA-800(779). HIRL Rwy 13R-31L open dusk-dawn. MIRL Rwy 13L-31R not opr 1400-2300Z‡. Flight Notification Service (ADCUS) available. NOTE: See Special Notices Section-Simultaneous Operations.

WEATHER DATA SOURCES: ASOS (206) 763-6904. COMMUNICATIONS: ATIS 127.75 (206) 767-4113 SEATTLE FSS (SEA) on arpt.

SEATTLE RCO 122.5 (SEATTLE RADIO)

R SEATTLE APP/DEP CON 119.2 (076°-160° Rwy 13) (341°-075°) 120.1 (199°-300°) 120.4 (301°-340° Rwy 31)

125.9 (076°-160° Rwy 31) (301°-340° Rwy 13) 126.5 (161°-198°)

BOEING TOWER 120.6 (128°-308° and Departures Rwy 13R-31L, also all Jets, heavy aircraft and IFR arrivals.

118.3 309°-127° and Departures Rwy 13L-31R.) CLNC DEL 132.4 **GND CON 121.9**

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA. SEATTLE (H) VORTACW 116.8 SEA

Chan 115

NOLLA NDB (LOM) 362 BF N47°37.95′ W122°23.37′

I-BFI Chan 46 unusable byd 13 NM blo 3,500'. Localizer back course unusable byd 10° left and right of course. Localizer

ILS/DME 110.9 I-CHJ Chan 46 Rwy 31L. Class IA. ILS/DME unusable byd 10° right of course. COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

Rwy 13R.

unusable byd 20° left of course. DME unusable byd 30° left of course.

H-1B. L-1D

SEATTLE

UTC-8(-7DT) N47°31.80′ W122°18.12′ SEATTLE TPA—See Remarks H-1B, L-1D IAP, AD GG GG Œ n

0

344° 5.7 NM to fld. 354/19E.

LOM NOLLA NDB. Localizer back course

Localizer unusable byd 15° east of course.

NW. 23 SEP 2010 to 18 NOV 2010

N47°26.12′ W122°18.58′

Class IA.

130° 7.1 NM to fld.

procedures, ctc noise office at 206-296-7437. Twy Z and 880' special use pavement avbl 72 hrs PPR. Ctc arpt

UNICOM 122.95

SEATTLE RCO 123.65 (SEATTLE RADIO)

ops 206-296-7334. For Museum of Flight transient acft parking, prior permission required, call

203°-253° byd 27 NM.

Rwy 13L-31R: 3710 X 100

233°-273° beyond 20 NM below 8.000'

233°-273° beyond 35 NM below 3.500'

303°-008° byd 30 NM below 3,500'

233°-273° beyond 30 NM below 10,000'

SEATTLE

IAP. AD

H-1B, L-1D

KENMORE AIR HARBOR SPB (W55) 1 N UTC-8(-7DT) N47°37.74′ W122°20.32′ FUEL 100LL, JET A AOF NOTAM FILE SEA

WATERWAY 16-34: 5000X500 (WATER)

0.6% down.

lake Apr 15 thru Oct 15. All tkf and ldg in center of lake. Special noise abatement rules in effect ctc operator for pattern information. Do not taxi closer than 200' from shoreline except in close proximity to Kenmore Air Harbor. Call 425-486-1257 X2010 for approval at least 3 hrs prior to arrival, Docking fee, Flight Notification Service (ADCUS) available. **COMMUNICATIONS: CTAF 122.9** SEATTLE SEAPLANES SPB (ØWØ) 1 N UTC-8(-7DT) N47°37.66' W122°19.91'

SEAPLANE REMARKS: Attended dawn-dusk. Fuel avbl emergency only. Night landings not recommended due to unlighted small watercraft. Red buoy indicates start and stop area for tkfs and ldgs. Increased boating ops on

SEATTLE-TACOMA INTL FUEL 100LL, JET A. A1 LRA Class I. ARFF Index E NOTAM FILE SEA

NOTAM FILE SEA WATERWAY 18-36: 9500X300 (WATER)

SEAPLANE REMARKS: Attended 1600Z‡-dusk. Small watercraft activity on lake. COMMUNICATIONS: CTAF 122.9 (SEA) 10 S UTC-8(-7DT) N47°26.99′ W122°18.71′

RWY 16L-34R: H11901X150 (CONC-GRVD) S-100, D-230, 2D-600, 2D/2D2-1400 PCN 110 R/B/W/T HIRL RWY 16L: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 79'. 0.6% down.

RWY 34R: TDZL. MALSR. PAPI(P4L)—GA 2.75° TCH 82'. 0.8% up. RWY 16C-34C: H9426X150 (CONC-GRVD) S-100, D-200, 2S-175, PCN 71 R/B/W/T 2D-350, 2D/2D2-800 HIRL CL RWY 16C: ALSF2. TDZL. PAPI(P4L)—GA 3.0° TCH 76'. 0.6% down. RWY 34C: MALSR. PAPI(P4L)—GA 3.0° TCH 62'. Tree. 0.8% up. RWY: 16R-34L H8500X150 (CONC-GRVD) S-100, D-216, 2D-448,

2D/2D2-1157, C5-817 PCN 89 R/B/W/T HIRL CL RWY 16R: ALSF2, TZL, PAPI(P4R)—GA 3.0° TCH 69'.

RWY 34L: MALSR. PAPI(P4L)—GA 3.0° TCH 75'. 0.8% up. RUNWAY DECLARED DISTANCE INFORMATION: RWY 16L: TORA-11901 TODA-11901 ASDA-11901 LDA-11901 RWY 16C: TORA-9426 TODA-9426 ASDA-9426 LDA-9426 RWY 16R: TORA-8500 TODA-8500 ASDA-8500 LDA-8500 RWY 34L: TORA-8500 TODA-8500 ASDA-8500 LDA-8500

RWY 34C: TORA-9426 TODA-9426 ASDA-9426 LDA-9426

RWY 34R: TORA-11901 TODA-11901 ASDA-11901 LDA-11901 AIRPORT REMARKS: Attended continuously. Bird flocks within airport vicinity—check local advisories. Helicopters ldg and departing avoid overflying fuel farm located at the SE corner of the arpt. ASDE-X surveillance system in use: pilots should operate transponders with mode C on all twys and rwys. Do not mistake Twy T for landing sfc. Twy A south of Twy G restricted to acft with wingspan 225' and smaller. Taxilane around N satellite restricted to acft with wingspans of 200' or less except for gates N7-N9.

Landing fee. Flight Notification Service (ADCUS) available. NOTE: See Special Notices—Seattle-Tacoma Intl Gatehold Procedures, Oceanic Departures, WEATHER DATA SOURCES: ASOS (206) 431-2834.

COMMUNICATIONS: D-ATIS 118.0 (206) 241-6025 **UNICOM** 122.95

® SEATTLE APP CON 120.1 (199°–300°) 120.4 (301°–340° Rwy 34) 125.6 (West) 125.9 (076°–160° Rwy 34)

(301°-340° Rwy 16) 126.5 (161°-198°) 133.65 (ARR Rwy 16) 123.9

(R) SEATTLE DEP CON 119.2 (DEP Rwy 16) 120.1 (199°-300°) 120.4 (301°-340° Rwy 34) 125.6 (West) 125.9 (076°-160° Rwy 34) (301°-340° Rwy 16) 126.5 (161°-198°) 123.9

Access to air cargo 4 parking and cargo areas rstd to acft with wingspans of 118' or less. Twy for corporate hangar ramp ltd to acft with 104' or less wingspan for taxi ops. GA customs parking is very limited. PPR for all general aviation parking and svc, ctc 206-433-5481. Between the hours of 0600-1500Z‡, the use of extdd reverse thrust is discouraged byd what is necessary for opr or safety reasons. NS ABTMT procedures in effect between 0600-1400Z‡. For further information ctc SEA NS ABTMT office at 206-787-7496. Touchdown, midpoint and rollout runway visual range avbl Rwy 16C, Rwy 34C, Rwy 16L, Rwy 34R, Rwy 16R, and Rwy 34L.

SEATTLE TOWER 119.9 (Rwy 16L-34R, Rwy 16C-34C) 120.95 (Rwy 16R-34L) GND CON 121.7 126.87 (Cargo **CLNC DEL** 128.0 north ramp) 122.27 (South ramp)

AIRSPACE: CLASS B See VFR Terminal Area Chart. CONTINUED ON NEXT PAGE

CONTINUED FROM PRECEDING PAGE

N47°26.12' W122°18.58'

at fld. 354/19E.

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

(H) VORTACW 116.8 SEA Chan 115

ILS/DME 110.75 I-C JL Chan 44(Y) Rwv 16R. Class IIIE.

ILS/DME 110.75 I-BE J Chan 44(Y) Rwy 34L. Class IIE.

ILS/DME 110.3 I-SFA Chan 40 Rwy 34R. Class IID. DME also serves ILS Rwy 16L.

ILS/DME 111.7 I_S7I Chan 54 Rwy 16C. Class IIIE. DME also serves ILS Rwy 34C. LOC front course unusable byd 10 NM, blo 2,500'.

ILS/DME 110.3 I-SNO Chan 40 Rwv 16L. Class IIIE. Localizer unusable byd 15° left of course, byd 14 NM blo 3,000'. DME also serves ILS Rwy 34R. Possible Rwy 16L glideslope fluctuation on final when wx is

800/2 or better. Possible Rwy 16L glideslope fluctuation prior to DGLAS when wx is less than 800/2. ILS/DME 111.7 I-TUC Chan 54 Rwv 34C. Class IIE. DME also serves ILS Rwv 16C.

SEKIU (11S) 0 NW UTC-8(-7DT)N48°15.97′ W124°18.84′ SEATTLE

NOTAM FILE SEA

RWY 08-26: H2997X50 (ASPH) LIRI

RWY 08: Thid dsplcd 900'. Hill.

RWY 26: VASI(V2L)-GA 4.0° TCH 35' (nights only). Tree.

AIRPORT REMARKS: Unattended. Deer on and in vicinity of arpt Sep-Mar. High ridge along N side of rwy. Turbulence on E end apph over water. Difficult apph when wind from N. PPR for other than single engine acft, call arpt manager 360-457-1138. Rwy 08-26 poor subsurface drainage during wet weather conditions causes rwy surface

COMMUNICATIONS: CTAF 122.9

movements

SEQUIM VALLEY (W28) 4 NW UTC-8(-7DT)

B S6 FUEL 100LL NOTAM FILE SEA

RWY 09R-27L: H3510X40 (ASPH) LIRI

RWY 09R: Trees. Rgt tfc. RWY 27L: Trees.

RWY 09L-27R: 3500X100 (TURF)

RWY 09L: Fence. Rgt tfc. RWY 27R: Trees.

AIRPORT REMARKS: Attended 1700-0100Z‡. Deer on and in the vicinity

of arpt. Rwy 09L fence covered with 5' shrubs. Rwy 09L-27R PPR for landing call 360-683-4444. Rwy 09R-27L has a 6" shoulder. Rwy 27L marked with broken line. Paved twys cross turf

Rwy 09L-27R.

COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17 99' W124°37.62′ 079° 59.1 NM to fld. 1652/22E. HIWAS.

N48°05.89' W123°11.23' SEATTLE L-1E ପ ପପପପ ପ ପ ପ ପ ପ ପ 0000000000

SHADY ACRES (See SPANAWAY)

CONTINUED FROM PRECEDING PAGE

N47°26.12' W122°18.58'

at fld. 354/19E.

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

(H) VORTACW 116.8 SEA Chan 115

ILS/DME 110.75 I-C JL Chan 44(Y) Rwv 16R. Class IIIE.

ILS/DME 110.75 I-BE J Chan 44(Y) Rwy 34L. Class IIE.

ILS/DME 110.3 I-SFA Chan 40 Rwy 34R. Class IID. DME also serves ILS Rwy 16L.

ILS/DME 111.7 I_S7I Chan 54 Rwy 16C. Class IIIE. DME also serves ILS Rwy 34C. LOC front course unusable byd 10 NM, blo 2,500'.

ILS/DME 110.3 I-SNO Chan 40 Rwv 16L. Class IIIE. Localizer unusable byd 15° left of course, byd 14 NM blo 3,000'. DME also serves ILS Rwy 34R. Possible Rwy 16L glideslope fluctuation on final when wx is

800/2 or better. Possible Rwy 16L glideslope fluctuation prior to DGLAS when wx is less than 800/2. ILS/DME 111.7 I-TUC Chan 54 Rwv 34C. Class IIE. DME also serves ILS Rwv 16C.

SEKIU (11S) 0 NW UTC-8(-7DT)N48°15.97′ W124°18.84′ SEATTLE

NOTAM FILE SEA

RWY 08-26: H2997X50 (ASPH) LIRI

RWY 08: Thid dsplcd 900'. Hill.

RWY 26: VASI(V2L)-GA 4.0° TCH 35' (nights only). Tree.

AIRPORT REMARKS: Unattended. Deer on and in vicinity of arpt Sep-Mar. High ridge along N side of rwy. Turbulence on E end apph over water. Difficult apph when wind from N. PPR for other than single engine acft, call arpt manager 360-457-1138. Rwy 08-26 poor subsurface drainage during wet weather conditions causes rwy surface

COMMUNICATIONS: CTAF 122.9

movements

SEQUIM VALLEY (W28) 4 NW UTC-8(-7DT)

B S6 FUEL 100LL NOTAM FILE SEA

RWY 09R-27L: H3510X40 (ASPH) LIRI

RWY 09R: Trees. Rgt tfc. RWY 27L: Trees.

RWY 09L-27R: 3500X100 (TURF)

RWY 09L: Fence. Rgt tfc. RWY 27R: Trees.

AIRPORT REMARKS: Attended 1700-0100Z‡. Deer on and in the vicinity

of arpt. Rwy 09L fence covered with 5' shrubs. Rwy 09L-27R PPR for landing call 360-683-4444. Rwy 09R-27L has a 6" shoulder. Rwy 27L marked with broken line. Paved twys cross turf

Rwy 09L-27R.

COMMUNICATIONS: CTAF/UNICOM 122.7

RADIO AIDS TO NAVIGATION: NOTAM FILE SEA.

TATOOSH (H) VORTACW 112.2 TOU Chan 59 N48°17 99' W124°37.62′ 079° 59.1 NM to fld. 1652/22E. HIWAS.

N48°05.89' W123°11.23' SEATTLE L-1E ପ ପପପପ ପ ପ ପ ପ ପ ପ 0000000000

SHADY ACRES (See SPANAWAY)

WASHINGTON SHELTON

(SHN)

SANDERSON FLD

3 NW UTC-8(-7DT) N47°14.01′ W123°08.85′ B S4 FUEL 100LL JET A NOTAM FILE SHN RWY 05-23: H5005X100 (ASPH) S-55, D-72, 2D-130 MIRL 0.3% up NE

Chan 81

RWY 05: Trees. Rgt tfc. RWY 23: REIL, PAPI(P4L)-GA 3.0° TCH 35', Trees. AIRPORT REMARKS: Attended 1600-0030Z‡. Parachute Jumping. 24 hr

N46°58 30'

2 NW UTC-8(-7DT) N47°39.41′ W122°43.99′

credit card fuel facility. WEATHER DATA SOURCES: ASOS 119.275 (360) 427-3835. COMMUNICATIONS: CTAF/UNICOM 122.8

OLM

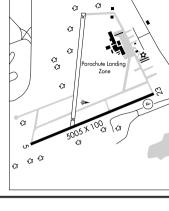
R SEATTLE APP/DEP CON 121.1 RADIO AIDS TO NAVIGATION: NOTAM FILE OLM.

OLYMPIA (H) VORTACW 113.4

W122°54.11' 308° 18.7 NM to fld. 200/19E. HIWAS.

MASON CO NDB (MHW) 348 MNC N47°14.89' W123°05.18' 232° 2.7 NM to fld. NOTAM FILE SHN. NDB unmonitored, NDB unusable 280°-340°beyond 20 NM.

NOTAM FILE SEA



SII VFRDAI F APEX AIRPARK

RWY 17-35: H2500X28 (ASPH) LIRL RWY 35: Rgt tfc.

B S4

(8W5)

AIRPORT REMARKS: Attended continuously. Caution: children and pets etc on invof arpt. No line of sight between rwy

ends. Twy east side rwy. Use caution on twy. Trees, acft and buildings in transition sfcs.

COMMUNICATIONS: CTAF/UNICOM 122.8

SKAGIT/BAY VIEW N48°28.12′ W122°25.10′. NDB (MHW) 240 BVS at Skagit Rgnl. NDB unusable 350°-030° byd 20 NM.

SKAGIT RGNL (See BURLINGTON/MOUNT VERNON)

SKY HARBOR (See SULTAN) SKYLINE SPB (See ANACORTES)

SKYKOMISH STATE (S88) 1 E UTC-8(-7DT) N47°42.66' W121°20.34' 1002 NOTAM FILE SEA

RWY 06-24: 2050X100 (TURF)

RWY 06: Trees.

RWY 24: Trees.

AIRPORT REMARKS: Unattended. CLOSED yearly 1 Oct-1 June. Vehicles, pedestrians and animals on and invof rwy. CTC Washington State Division of Aeronautics 360-651-6300 or 1-800-552-0666, for facility information prior to use. Mountains surround arpt. Rwy soft when wet. COMMUNICATIONS: CTAF 122.9

SNOHOMISH CO (PAINE FLD) (See EVERETT)

NOTAM FILE BVS.

Not insp

SEATTLE

SFATTI F L-1E

SEATTLE

SEATTLE

IAP

H-1B, L-1D

HZIMOHONZ

1 SW UTC-8(-7DT) N47°54.29′ W122°06.16′ HARVEY FLD (S43) FUEL 100. JET A TPA-1006(984) NOTAM FILE SEA

> LIRL (NSTD) RWY 15L: TRCV(TRIR)-GA 5.0° TCH 30'. Thid dsplcd 451'. P-line. Rgt tfc.

RWY 33R: TRCV (TRIR)—GA 3.0° TCH 30', Thid dspicd 241', Trees. RWY 15R-33L: 2430X100 (TURF)

S-10

RWY 15R: P-line. Rgt tfc. RWY 331 - Trees

AIRPORT REMARKS: Attended Nov-Mar 1530-0200Z±, Apr-Oct 1530-0500Z±, Fuel 24 hour credit card svc avbl.

Parachute Jumping, Helicopter training west of rwys 500' and blo, High voltage P-line 22' high 25' from apch end of Rwy 15L. Additional parachute student drop zone 1 NM E of arpt marked with white X. Arriving helicopter tfc apch helipads from NE or SE to avoid student drop zone. Parachute drop zone between Rwy 15L-33R and main twy, large gravel circle. Rwy 15L and Rwy 15R calm wind rwys. Noise abatement procedures in effect, ctc arpt manager 360-568-1541. Rwy 15L-33R NSTD LIRL, thid lgts 360° green.

SEATTLE CENTER APP/DEP CON 128.5 RADIO AIDS TO NAVIGATION: NOTAM FILE PAE.

PAINE (L) VORW/DME 110.6 PAE Chan 43 N47°55.19' W122°16.67' 077° 7.1 NM to fld. 670/20E.

SOUTH BEND (RAYMOND) WILLAPA HARBOR (2S9)

B FUEL 100LL NOTAM FILE SEA

COMMUNICATIONS: CTAF/UNICOM 123.0

RWY 15L-33R: H2671X36 (ASPH)

RWY 11-29: H3005X52 (ASPH) S_{-12} MIRI RWY 11. Trees RWY 29. Trees

AIRPORT REMARKS: Unattended, Fuel unavbl indef. Watch for elk on and

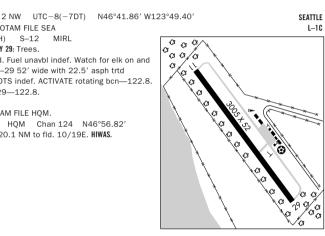
in vicinity of arpt. Rwy 11-29 52' wide with 22.5' asph trtd shoulders. Rotating bcn OTS indef. ACTIVATE rotating bcn-122.8.

ACTIVATE MIRL Rwv 11-29-122.8. COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE HOM.

HOQUIAM (H) VORTAC 117.7 HOM

Chan 124 N46°56.82' W124°08.96' 119° 20.1 NM to fld. 10/19E. HIWAS.



SEATTLE

SFATTLE

SEATTLE

L-1D

IAP

SOUTHWEST WASHINGTON RGNL (See KELSO)

SPANAWAY SHADY ACRES (3B8) 3 SE UTC-8(-7DT) N47°04.22' W122°22.27'

NOTAM FILE SEA RWY 16-34: H1800X20 (ASPH)

R SEATTLE APP/DEP CON 126.5

RWY 34: Thid dspicd 200'. Road. Rgt tfc. AIRPORT REMARKS: Unattended. PPR for night ops call arpt manager 253-846-8953. Military activity on and in vicinity

of arpt. Power plants with emissions that may not be visible 0.5 and 1 statute mile northeast of arpt. Dsplcd

thId marked with NSTD chevrons. Rwy 16 ID is not standard distance from rwy end. Directional rwy edge Igts.

COMMUNICATIONS: CTAF 122.9

SPANAWAY N47°05.21' W122°25.88' (S44) 1 S UTC-8(-7DT) 373 FUEL 100LL TPA-988(615) NOTAM FILE SEA

RWY 16-34: H2724X20 (ASPH) S-12 LIRL RWY 16: Thid dspicd 200'. Tree. RWY 34: Trees. Rgt tfc. AIRPORT REMARKS: Attended 1600Z±-dusk, CAUTION: Military tfc on and in vicinity of arot, Rwy 16 payed, Rwy 16 has

NSTD numbers, edge lines and thid markings only, Rwy 16 number located 300' S of painted dsplcd thid. COMMUNICATIONS: CTAF 122.9

SPNKANE

FELTS FLD (SFF)

4 NE UTC-8(-7DT) N47°40.97′ W117°19.35′ B S4 FUEL 100LL, JET A1 + OX 3. 4 LRA NOTAM FILE SFF

RWY 03L-21R: H4500X150 (CONC) S-30

RWY 03L: REIL. VASI(V4L)-GA 3.0° TCH 50'. Road.

RWY 21R: MALSR, VASI(V4R)-GA 3.5° TCH 44', Tree, Rgt tfc.

RWY 03R-21L: H3059X75 (ASPH) S-30 RWY 03R: Thid dspicd 415'. Bldg. Rgt tfc.

RWY 21L: PAPI(P4L)-GA 3.8° TCH 42'. Trees.

AIRPORT REMARKS: Attended 1500-0200Z±. Waterfowl and birds on

and invof arpt. Lgtd crane 1953'MSL (200' AGL) 1.25 NM east

indef. Acft with tail heights over 20' must ctc ATCT prior to taxi. Twr unable to provide ATC svc on perimeter twy due to movement of uncontrolled ground tfc. PPR for rotorwing acft conducting hover ops above 10' AGL in non-movement area ctc twr. Obstacle free area for Twy A is delineated with a green line. Rwy 21L PAPI unusable byd 5° either side of centerline within 4 NM of thld.

When twr clsd ACTIVATE MIRL Rwv 03L-21R, MALSR Rwv 21R and REIL 03L-CTAF. VASI Rwy 03L and VASI Rwy 21R opr continuously. PAPI Rwy 21L opr SR-SS. Flight Notification Service

(ADCUS) available. WEATHER DATA SOURCES: ASOS (509) 535-3290. HIWAS

COMMUNICATIONS: CTAF 132.5 ATIS 120.55 IINICOM 122 95 SPOKANE RCO 122.65 122.55 122.2 (SEATTLE RADIO)

R SPOKANE APP/DEP CON 133.35

TOWER 132.5 (1400-0400Z‡) **GND CON 121.7** AIRSPACE: CLASS D svc 1400-0400Z tother times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

SPOKANE (H) VORTACW 115.5 GEG Chan 102 N47°33.90' W117°37.61' 039° 14.2 NM to fld. 2756/21E. **HIWAS**

ILS/DME 111.7 I-FLZ Chan 54 Rwy 21R. LOC only. Localizer unusable 0.2 NM from rwy threshold. DME unusable 15° right of course.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

1910

WATERWAY 03-21: 6000X100 (WATER)

WATERWAY 21: Rgt tfc.

SEAPLANE REMARKS: Extensive boating in area of water rwy. Water level on river may be lowered by Corp of Engineers. Water area adjacent to airport not controlled or maintained by airport. Waterway 03-21 water rwy advisory

service only area not visible from twr. Ctc Felts twr 132.5 for tfc data.

SEATTLE

L-13B

IAP. AD

SPOKANE INTL (GEG) 5 SW UTC-8(-7DT) N47°37.14′ W117°32.11′ S4 FUEL 100, 100LL, JET A OX 1, 2, 3, 4 Class I, ARFF Index B 2385 R NOTAM FILE GEG H-1C. L-13B RWY 03-21: H11002X150 (ASPH-GRVD) S-200, D-200, 2S-175, 2D-400 HIRL CI RWY 03: ALSF2. TDZL. VASI(V6L)-Upper GA 3.25° TCH 87', Lower

IAP, AD

SEATTLE

SEATTLE

SEATTLE

I-1D

(Z

335°-360° byd 18 NM blo 7,000′

335°-360° byd 25 NM

205° 4.8 NM to fld.

GA 3.0° TCH 54'. Rgt tfc. 0.5% down. RWY 21: ALSF2. TDZL. PAPI(P4L)-GA 3.0° TCH 46'. Ground. Rgt 0.7% up. RWY 07-25: H8199X150 (ASPH-GRVD) S-150, D-180, 2S-175,

20-280 MIRI RWY 07: REIL. VASI(V4L)-GA 3.2° TCH 60'. Rgt tfc. RWY 25: REIL. PAPI(P4L)-GA 3.0° TCH 50'. Tree.

LAND AND HOLD SHORT OPERATIONS LANDING HOLD SHORT POINT DIST AVRI **RWY 07** 0.3 - 212800 **RWY 21** 07-25 **RWY 25** 03-21

7000 4350 RUNWAY DECLARED DISTANCE INFORMATION: RWY 07: TORA-8199 TODA-8199

RWY 21: TORA-11002 TODA-11002 RWY 25: TORA-8199 TODA-8199

(ADCUS) available

ASDA-8199 ASDA-11002 ASDA-8199

I DA_8199 AIRPORT REMARKS: Attended 1400-0600Z±. Waterfowl and birds on and invof arpt. Twy H restricted to wingspan of 75' or less. Twy K unlighted on ramp side along maintenance ramp and is unavailable below 1200 RVR unless under escort by "follow me", Rwy 03 VFR only, Rwy 21 ALSF2 may be operated as SSALR during favorable weather conditions. Be alert to turbulence over smoke stacks 1 mile E of arpt. U.S. Customs user fee arpt. Flight Notification

IDA-8199

LDA-11002

WEATHER DATA SOURCES: ASOS (509) 624-4406. HIWAS 115.5 GEG. COMMUNICATIONS: ATIS 124.325 **IINICOM** 122 95 RCO 122.65 122.55 122.2 (SEATTLE RADIO)

R APP/DEP CON 133.35 (026°-204°) 123.75 (205°-025°) **TOWER 118 3 GND CON 121.9 CINC DFI** 127 55

AIRSPACE: CLASS C svc ctc APP CON

RADIO AIDS TO NAVIGATION: NOTAM FILE GEG.

(H) VORTACW 115.5 GEG Chan 102 N47°33.90′ W117°37.61′ 028° 4.9 NM to fld. 2756/21E. HIWAS.

VOR portion unusable:

300°-330° byd 30 NM blo 9,000'

360°-015° byd 26 NM blo 7,000'

N47°40.62′ W117°27.01′ CANYON NDB (MHW) 388 CRK ILS/DME 111.1 I-GEG Chan 48 Rwy 21. Class IIIE. **ILS/DME** 111.1 I-OLJ Chan 48 Rwy 03. Class IIIE.

STAMPEDE PASS SMP N47°15.98' W121°22.07'/3964.

ASOS 135,275 360-886-2758

STANWOOD

CAMANO ISLAND AIRFIELD (13W) 3 NW UTC-8(-7DT) N48°15.42′ W122°26.17′ S4 NOTAM FILE SEA

RWY 16-34: H1750X24 (ASPH) RWY 34: Brush. Rgt tfc. RWY 16: Tree. Rgt tfc. AIRPORT REMARKS: Attended Mon-Fri 1630-0130Z‡. Do not taxi on grass Oct-May. Parallel driveway adjacent to Rwy

COMMUNICATIONS: CTAF 122.9

STARBUCK LITTLE GOOSE LOCK AND DAM (16W) 7 NE UTC-8(-7DT) N46°34.99' W118°00.06'

NOTAM FILE SEA RWY 07-25: 3400X50 (GRVL) RWY 07: Road. RWY 25: Hill. AIRPORT REMARKS: Unattended. CLOSED 1 Oct-1 June. CAUTION: Airport located in canyon rolling terrain 700-800' S

COMMUNICATIONS: CTAF 122.9

rising to 750', canyon wall 800' S rises steeply to 1800'+, N wall rises to 1600'+. Pedestrians, vehicles, and animals on and invof rwy. Portions of rwy sfc rough and soft. CTC Washington State Aviation Division 360-651-6300 or 1-800-552-0666 for facility information prior to use.

N46°19.63' W119°58.22'

N46°15 78'

7 S UTC-8(-7DT) N47°08.49′ W122°33.66′

AIRPORT REMARKS: Unattended. Arpt CLOSED Oct-Jun. Pedestrians, vehicles and animals on and invof rwy. Ctc Washington State Aviation Division 360-651-6300 or within Washington state 1-800-552-0666 for facility

SEATTLE

SFATTLE L-13A

(3

SEATTLE

STEHEKIN STATE (6S9) 3 NW UTC-8(-7DT) N48°20.74′ W120°43.24′ 1230 NOTAM FILE SEA

RWY 31. Brush

COMMUNICATION: CTAF 122 9 STROM FLD (See MORTON)

(See METALINE FALLS)

SULTAN

RWY 13-31: 2630X100 (TURF) RWY 13: Road

information prior to use.

SULLIVAN LAKE STATE

SKY HARBOR (S86) 1 E UTC-8(-7DT) N47°52.24' W121°47.54'

NOTAM FILE SEA

RWY 07-25: 1930X100 (TURF) RWY 07: Brush. RWY 25: Brush.

AIRPORT REMARKS: Unattended. Ctc arpt manager 425-359-4625 for facility information prior to use. Watch for

animals and children on and invof arpt. West end very soft in winter and spring. Preferred rwy ops wind permitting land W, tkf E. Avoid arpt during high wind conditions. No touch and go ops. No instruction or student

ops. Helicopter parking NE end of rwy.

COMMUNICATIONS: CTAF 122.9 UNICOM 122.8

SUNNYSIDE MUNI (1S5)2 E UTC-8(-7DT)

R FIIFI 100LL NOTAM FILE SEA

LIRI

S-12.5 RWY 07-25: H3423X60 (ASPH) RWY 07: PAPI(P2L)-GA 3.0°. Road.

RWY 25: PAPI(P2L)-GA 3.0°. Pole. AIRPORT REMARKS: Unattended. IINICOM 122 8

COMMUNICATIONS: CTAF 122.9 PSC.

PASCO (L) VORW/DME 108.4

RADIO AIDS TO NAVIGATION: NOTAM FILE PSC. Chan 21 W119°06.94' 256° 35.8 NM to fld. 400/20E.

3423 X 60

SWANSON (See EATONVILLE)

TACOMA AMERICAN LAKE SPB

(W37) TPA-935(700)

NOTAM FILE SEA

WATERWAY 02-20: 5500X500 (WATER) SEAPLANE REMARKS: Attended 1800-0000Z‡. Swimmers and boaters in the area. Day use only recommended. Noise

abatement procedures in effect, ctc airport manager 253-589-2489. Arpt underlies McChord Field (Joint Base

Lewis-McChord) CLASS D Airspace. COMMUNICATIONS: CTAF 122.9

TACOMA NARROWS (TIW) 4 W UTC-8(-7DT) N47°16.08' W122°34.69' B S4 FUEL 100LL, JET A OX 4 TPA-1294(1000) LRA NOTAM FILE TIW RWY 17-35: H5002X150 (ASPH-AFSC) S-50, D-80, 2S-102, 2D-80, 2D/2D2-150 RWY 17: MALSR. PAPI(P4R)-GA 3.0°. TCH 50'. Rgt tfc.

RWY 35: REIL, VASI(V4L)-GA 3.0° TCH 51', Rgt tfc.

PAPI Rwy 17-CTAF. For customs call 253-593-6338 ext #2. Landing fee. WEATHER DATA SOURCES: ASOS (253) 858-6507. LAWRS

AIRPORT REMARKS: Attended 1500-0600Z‡. Deer on and in vicinity of arpt. Noise sensitive arpt, for noise abatement and tfc procedures call arpt manager 253-853-5844. ACTIVATE MALSR Rwy 17 and

COMMUNICATIONS: CTAF 118.5 ATIS 124.05 UNICOM 122.95

R SEATTLE APP/DEP CON 120.1 TOWER 118.5 (1600-0400Z±) **GND CON 121.8**

AIRSPACE: CLASS D svc 1600-0400Z‡ other times CLASS G. RADIO AIDS TO NAVIGATION: NOTAM FILE TCM. McCHORD (T) VORTAC 109.6 TCM Chan 33 N47°08.26' W122°28 59'

310° 8.9 NM to fld. 284/22E. No NOTAM MP Tue. Thu 0700-1600Z±.

GRAYE NDB (MHW) 216 GRF N47°08.99' W122°36.27'

7.2 NM to fld. NOTAM FILE SEA. Unmonitored when ATCT ILS 109.1 I-TIW Rwy 17. Class IA. ILS unmonitored when twr clsd.

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

TATOOSH N48°17.99′ W124°37.62′.

NOTAM FILE SEA (H) VORTACW 112.2 TOU Chan 59 151° 21.9 NM to Quillayute. 1652/22E. HIWAS.

RCO 122.25 (SEATTLE RADIO)

TFKNA

WILLARD FLD (73S) 2 NE UTC-8(-7DT) N47°14.13' W117°02.63'

В FUEL 100LL NOTAM FILE SEA RWY 04-22: H2261X40 (ASPH) MIRI

RWY 04: Thid dspicd 190'. Tree.

RWY 22: Thid dspicd 240'. Road. AIRPORT REMARKS: Unattended. Self service fuel with credit card. Parachute Jumping. Grass areas not avbl for acft ops. ACTIVATE MIRL Rwv 04-22-122.8.

COMMUNICATIONS: CTAF 122.9

TIETON STATE (See RIMROCK)

TOI FDO

ED CARLSON MEMORIAL FLD—SOUTH LEWIS CO (TDO) 3 N UTC-8(-7DT)

N46°28.63' W122°48.39'

374 B S4 FUEL 100 NOTAM FILE TDO

RWY 05-23: H4479X150 (ASPH) S-25 RWY 05: REIL. SAVASI(S2L)-GA 3.0° TCH 40'. Windcone. RWY 23: REIL. PAPI(P2L)-GA 3.0° TCH 40'. Fence.

AIRPORT REMARKS: Unattended. 24 hr credit card fuel facility. Parachute

Jumping. Radio controlled acft adjacent Rwy 05-23 400' and blo. Distance to go markers S side of rwy. ACTIVATE MIRL Rwy 05-23

and REIL Rwy 05 and Rwy 23-CTAF, SAVASI Rwy 05 and PAPI Rwy 23 opr 24 hrs. COMMUNICATIONS: CTAF 122.9

SEATTLE CENTER APP/DEP CON 124.2 RADIO AIDS TO NAVIGATION: NOTAM FILE OLM. OLYMPIA (H) VORTACW 113.4 OLM

Chan 81 W122°54.11' 153° 29.9 NM to fld. 200/19E. HIWAS.

03 03 n

MIRI

H-1R I-1D

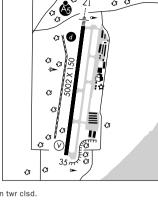
A 3

IAP. AD

SFATTLE

SEATTLE

H-1B. L-1D



SFATTLE I-1C €3 G G G G

WASHINGTON

(WØ1) 2 NW UTC-8(-7DT) N48°43.49′ W119°27.94′

RWY 15-33: H3053X50 (ASPH) MIRI RWY 15: PAPI(P2L)-GA 5.0° TCH 37'. Ground. Rgt tfc. RWY 33: PAPI(P2L)-GA 4.5° TCH 31'. Fence.

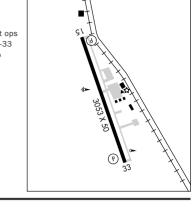
NOTAM FILE SEA

AIRPORT REMARKS: Unattended. Mountains surround arpt. For night ops

and wind permitting land Rwy 33 and depart Rwy 15. Rwy 15-33 settling and ravelling at ends and along sides. Distance to go

markers S side arpt. ACTIVATE MIRL Rwy 15-33-CTAF. **COMMUNICATIONS: CTAF 122.9** RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68' W119°25.44' 338° 80.9 NM to fld. 1250/21E.



N46°10.53′ W118°11.77′.

TRI-CITIES

TONASKET MUNI

1311

В

NDB (LOM) 353 AL

198° 6.2 NM to Walla Walla Rgnl.

NOTAM FILE ALW.

TWISP MUNI (2SØ) 1 SE

(See PASCO)

UTC-8(-7DT) N48°21.04′ W120°05.64′ NOTAM FILE SEA

RWY 10-28: H2701X36 (ASPH) MIRL (NSTD)

RWY 28: PAPI(P2L)-GA 4.0°. Thid dsplcd 200'. Road. AIRPORT REMARKS: Unattended. Mountainous terrain surrounds arpt. Deer and pedestrians on and in vicinity of arpt.

Rwy 10-28 NSTD MIRL. Rwy 10 lgtd thid relocated 124'. Rwy 28 lgtd thid relocated 200'. Only 2366' of Rwy

10-28 lgtd for ngt ops. Rwy 28 dsplcd thld marked by lgt fixture. Rwy 10 no rwy markings. ACTIVATE rotating bcn

and MIRL Rwy 10-28 and PAPI Rwy 28-CTAF. **COMMUNICATIONS: CTAF 122.9**

VANCOUVER N45°41.92' W122°55.52'

RCO 122.35 (SEATTLE RADIO) VANCOUVER FLY FOR FUN (W56)

NOTAM FILE SEA RWY 07-25: 2434X50(TURF) RWY N7. P-line

COMMUNICATIONS: CTAF 122.9

RWY 25: Trees. Rgt tfc. AIRPORT REMARKS: Unattended. Arpt CLOSED Christmas and Easter. Taxi on rwy and mowed grass areas only.

4 NE UTC-8(-7DT) N45°41.24′ W122°31.31′

NW. 23 SEP 2010 to 18 NOV 2010

SEATTLE

L-1C SEATTLE

SEATTLE

SEATTLE

SEATTLE

I-13A

188 WASHINGTON

PEARSON FLD (VUO) 2 SW UTC-8(-7DT) N45°37.23′ W122°39.39′ 25 S4 FUEL 100LL OX 2 TPA-1025(1000) NOTAM FILE VUO

RWY 08-26: H3275X60 (ASPH) MIRL

RWY 08: REIL. VASI(V4R)-GA 3.75° TCH 31'. Bridge. RWY 26: REIL. PAPI(P2R). Thid dsplcd 762'. Tree. Rgt RUNWAY DECLARED DISTANCE INFORMATION:

RWY 08: TORA-3275 TODA-3275 ASDA-3065 LDA-3065 RWY 26: TORA-3275 TODA-3275 ASDA-3275 LDA-2513 AIRPORT REMARKS: Attended Nov-Mar Mon-Fri 1630-0130Z‡, Apr-Oct Mon-Fri 1600-0400Z‡. Self service fuel avbl

24 hrs by credit card. Geese on and invof arpt. Rwy 08 thId relocated 762' for ngt ops, 2513' of Rwy 08-26 usable at ngt. When operating over the rwy centerline or rwy centerline extended—maintain at or blo 700' MSL

due to tfc and wake turbulence from overflying acft to/from Portland International arpt Rwy 10L-28R. Portland

International arpt Rwy 10L-28R extended centerline crosses Pearson Rwy 08 thld. Rwy 08-26 860' stopway on west end. Rwy 08 VASI unusable byd 6° left and right of rwy centerline. WEATHER DATA SOURCES: ASOS 135.125 (360) 696-1280.

COMMUNICATIONS: CTAF/UNICOM 123.0 VANCOUVER RCO 122.35 (SEATTLE RADIO) R PORTLAND APP CON 118.1 (100°-279°) 124.35 (280°-099°) **CLNC DEL** 121.65

VFR ADVSY SVC 119.0 AIRSPACE: CLASS D svc continuous. Acft will ctc Portland Intl, or twr Clnc Del on 119.0 prior to entering Class D

airspace and prior to dep. RADIO AIDS TO NAVIGATION: NOTAM FILE PDX.

BATTLE GROUND (H) VORTACW 116.6 BTG Chan 113 N45°44.87′ W122°35.49′ 253/21E.

INA 111 3 I-IAP Rwy 08.

COMM/NAV/WEATHER REMARKS: Arrivals ctc Portland twr on 119.0 prior to entering CLASS D airspace for traffic and wake turbulence advisories. Departures ctc Portland twr on 119.0 prior to dep.

VASHON MUNI (2S1) 1 NW UTC-8(-7DT)

TPA-1299 (983) NOTAM FILE SEA

RWY 17-35: 2001X60 (TURF) LIRL (NSTD) RWY 17: Trees. Rgt tfc.

RWY 35: Road.

AIRPORT REMARKS: Unattended. Occasional large wild animals on arpt. Rwy 17-35 soft when wet. Hangars 90' east

NSTD LIRL, thid lgts 360° green.

and west of centerline. Deep ditch 5-10' west of rwy edge the full length. Touch and go ldgs not recommended. Turbulence possible at N end of Rwy 17-35 with strong crosswinds. Helicopter parking area restricted to

Medevac ops. Use noise abatement procedures climb straight ahead to 700' AGL. Recommend calling for fld conditions 206-463-3142. Night operations only for pilots familiar with arpt close in obstructions. Rwy 17-35

COMMUNICATIONS: CTAF 122.9 . .

HELIPAD H1: 98X98 (TURF) RWY LGTS (NSTD) HELIPORT REMARKS: Helipad H1 yellow perimeter lgts. Helipad H1 for medivac emerg svcs only.

VISTA FLD (See KENNEWICK)

NW. 23 SEP 2010 to 18 NOV 2010

N47°27.52′ W122°28.45′

RPORTLAND DEP CON 124.35

SFATTI F

IAP

SEATTLE

I_1C

SEATTLE

SFATTLE

IAP. AD

H-1C, L-13A

WASHINGTON

WALLA WALLA (9W2) 2 S

PAGE

NOTAM FILE SEA RWY 09-27: 2000X25 (TURF)

RWY 09: Hill. Rgt tfc.

AIRPORT REMARKS: Unattended.

2D-105

2D-105

RWY 16: Ground.

COMMUNICATIONS: CTAF 122.9

0.3% up SE

RWY 07-25: H4486X150 (ASPH-CONC)

1.3% up E.

WALLA WALLA RGNL (ALW)

1194 B S4 FUEL 100LL JETA 0X 2

RWY 20: MALSR. PAPI(P4L)-GA 3.0° TCH 50'. RWY 16-34: H5948X150 (ASPH-CONC)

RWY 02-20: H6527X150 (ASPH-GRVD)

AIRPORT REMARKS: Attended 1430-0300Z‡. Self svc credit card fueling facility located 600' N of tower. For svc after hours call

RWY 27: P-line.

3 NE UTC-8(-7DT) N46°05.69' W118°17.34'

UTC-8(-7DT) N46°00.99' W118°22.23'

Class I. ARFF Index A NOTAM FILE ALW

S-60, D-72, 2D-110

RWY 02: REIL. PAPI(P4L)-GA 3.0° TCH 45'.

S-40, D-55,

S-42, D-55,

HIRL 0.6% up NE

at fld. 1179/20E.

509-529-4243. ARFF services avbl during scheduled air carrier opr. CLOSED to unscheduled air carrier ops with more than 30 passenger seats except PPR call arpt manager 509-525-3100. Rwy 07-25 CLOSED to scheduled air carrier opr. Rwy 16-34 CLOSED to scheduled air carrier opr. Rwy 07-25 large cracks and surface variations may impair directional control. Rwy 16-34 large cracks and surface variations. When twr clsd ACTIVATE MALSR Rwy 20, REIL Rwy 02, HIRL Rwy 02-20 and PAPI Rwy 02 and Rwy 20—CTAF

RCO 122.3 (SEATTLE RADIO) (R) CHINOOK APP/DEP CON 133.15 (1400-0600Z‡). R SEATTLE CENTER APP/DEP CON 132.6 (0600-1400Z‡).

COMMUNICATIONS: CTAF 118.5

TOWER 118.5 (1430-0300Z‡) GND CON 121.6

AIRSPACE: CLASS D svc 1430-0300Z‡ other times CLASS E. RADIO AIDS TO NAVIGATION: NOTAM FILE ALW.

WEATHER DATA SOURCES: ASOS 135.875 (509) 525-3014.

(L) VORW/DME 116.4 ALW Chan 111 N46°05.22′ W118°17.55′

VOR/DME portions unusable:

010°-065° byd 31 NM blo 12,500' 095°-140° byd 20 NM blo 13,500′ 065°-095° bvd 20 NM blo 14.500'

DME portion unusable: 140°-145° bvd 20 NM blo 11.500' TRINA NDB (LOM) 353 AL N46°10.53′ W118°11.78′ 199° 6.2 NM to fld.

ILS 111.7 I-AI W Rwv 20. Class IE. LOM TRINA NDB

COMM/NAV/WEATHER REMARKS: Emerg frequency 121.5 not avbl at twr.

WALLULA N46°01.36′ W118°51.52′

RCO 122.6 (MC MINNVILLE RADIO)

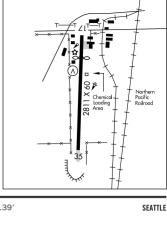
L-13A

SFATTLE

190 WASHINGTON

1276 B NOTAM FILE SEA RWY 17-35: H2811X60 (ASPH) MIRI RWY 17: SAVASI(S2R). Thid dsplcd 560'. AIRPORT REMARKS: Unattended. Rwy 17-35 320' grvl overrun south end. Rwy 17-35 centerline paint chipping. No rwy numbers. COMMUNICATIONS: CTAF 122.9

(2S4) 1 W UTC-8(-7DT) N46°57.95′ W119°03.98′



SEATTLE

WATERVILLE (2S5) 1 NE UTC-8(-7DT) N47°39.36' W120°03.39' 2645 B FUEL 100LL NOTAM FILE SEA RWY 07-25: H2978X50 (ASPH) S-5

EPHRATA (H) VORTACW 112.6 EPH

end Rwv 07-25 unlgtd. COMMUNICATIONS: CTAF 122.9

WARDEN

RWY 07: Thid dspicd 270'. Road.

RWY 25: PAPI(P2L)-GA 3.0°. Pole.

AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z±. First 272' of west

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

W119°25.44' 282° 30.7 NM to fld. 1250/21E.

Chan 73

2978 X 50 +80

WATON N48°04.57′ W122°09.23′. NOTAM FILE AWO. NDB (LOM) 382 AW 338° 5.1 NM to Arlington Muni.

N47°22.68'

NOTAM FILE EAT.

(L) VORW/DME 111.0 EAT Chan 47 at Pangborn Mem. 1224/19E. HIWAS. DME unmonitored.

303°-073° byd 20 NM 073°-118° byd 25 NM blo 5,500'

WENATCHEE N47°23.98' W120°12.65'

153°-243° byd 15 NM 243°-263° byd 35 NM blo 12,000′ 290°-303° byd 14 NM blo 7,900'

SEATTLE

SEATTLE

L-13A

118°-153° byd 15 NM blo 14,500′ RCO 122.6 (SEATTLE RADIO)

HIWAS unavailable. VOR/DME unusable:

SEATTLE.

IAP

H-1C, L-1D, 13A

ш

€3

SEATTLE

SEATTLE

H-1B. L-1E

at fld. 1224/19E. HIWAS.

WASHINGTON

WENATCHEE

PANGBORN MEM (EAT) 4 E UTC-8(-7DT) N47°23.89′ W120°12.34′

1249 B S4 FUEL 100LL JET A OX 1, 2 Class I, ARFF Index B NOTAM FILE EAT RWY 12-30: H5700X150 (ASPH-GRVD) S-75, D-100, 2S-97, 2D-250 MIRL

ASDA-4460

IDA-4460

LDA-5700

Chan 47 N47°23.98' W120°12.65'

ā

RWY 12: REIL. PAPI(P4L)-GA 3.6° TCH 50'. Road. Rgt tfc. RWY 30: RAIL, REIL, PAPI(P2L)-GA 4.3° TCH 45'. S-50, D-77, 2S-97, 2D-136 RWY 07-25: H4460X75 (ASPH)

1.0% up SE RWY 07: Tree. Rgt tfc.

RUNWAY DECLARED DISTANCE INFORMATION

RWY 07: TORA-4460 TODA-4460

TORA-5700 TODA-5700 ASDA-5700 RWY 12:

RWY 25: TORA-4460 TODA-4460 ASDA-4460 LDA-4460

RWY 30: TORA-5700 TODA-5700 ASDA-5700 LDA-5700 AIRPORT REMARKS: Attended continuously. Rwy 07-25 CLOSED to all night operations. CLOSED to air carrier operations. Rwy 07-25 has extensive cracks, vegetation, and surface deterioration, Rwy

12 preferred no wind rwy. 24 hr PPR for unscheduled air carrier operations with more than 30 passenger seats call arpt ops, 509-860-1852. Bird hazard. Glider activity from Mar-Nov. Reflectors on Twys D and F only. ACTIVATE MIRL Rwy 12-30, REIL

Rwy 12 and Rwy 30-CTAF. PAPI Rwy 12 and Rwy 30 opr continuously. WEATHER DATA SOURCES: ASOS 119.925 (509) 886-4226.

HIWAS 111 O FAT COMMUNICATIONS: CTAF/UNICOM 123.0

BADGER MOUNTAIN RCO 122.3 (SEATTLE RADIO)

WENATCHEE RCO 122.6 (SEATTLE RADIO) SEATTLE CENTER APP/DEP CON 126.1

RADIO AIDS TO NAVIGATION: NOTAM FILE FAT

WENATCHEE (L) VORW/DME 111.0 FAT

DME unmonitored. ILS/DME 109.35 I-ADJ Chan 30(Y) Rwy 12. LOC unusable byd 15 NM blo 5700'.

COMM/NAV/WEATHER REMARKS: HIWAS unavailable.

WESTPORT UTC-8(-7DT) N46°53.82′ W124°06.05′ (14S) 1 N

14

NOTAM FILE SEA

RWY 12-30: H2318X50 (ASPH) MIRL

RWY 12: VASI(V2L). RWY 30: VASI(V2L). Rgt tfc.

AIRPORT REMARKS: Unattended. Large bird nesting area adjacent to Rwy 12-30. Rwy 12-30 soft shoulders.

COMMUNICATIONS: CTAF 122.9

WHATCOM N48°56.72′ W122°34.76′ NOTAM FILE BLI

(H) VORTACW 113.0 HUH Chan 77 150° 9.3 NM to Bellingham Intl. 83/20E

WHIDBEY AIR PARK

(See LANGLEY)

192 WASHINGTON

RWY 14: ALSF1. OLS. TDZL. REIL.

1400-0200Z‡, as rgr other times.

WHIDBEY ISLAND NAS (AULT FLD) (NUW) (KNUW) N 3 N UTC-8(-7DT) N48°21.11′ W122°39.36′

SEATTLE H-1R I-1F DIAP. AD

SEATTLE

L-13A

OIL 0-156 SOAP

B TPA—See Remarks NOTAM FILE NUW Not insp. PCN 73 R/B/W/T RWY 14-32: H8001X200 (CONC) HIRL CL

RWY 07-25: H8000X200 (CONC) PCN 45 R/B/W/T HIRL

RWY 25: ALSF1. REIL. OLS. RWY 07: OLS. REIL.

ARRESTING GFAR/SYSTEM

RWY 14 ← HOOK E5 (15' OVRN) HOOK E28(B) (1420')

RWY 07 ← HOOK E5 (15' OVRN) HOOK E28(B) (2425')

HEAVY WEIGHT (DRY), 32-595 HEAVY WEIGHT (DRY).

1(NCPP-105/RCPT-105) FUEL J8, J5 FLUID SP PRESEAIR De-ice LHOX LOX

TRAN ALERT Transient crews must be ready to provide technical direction/assistance in svc/maintenance. Ltd svc/maintenance avbl Mon-Fri 1500-2300Z‡, no maintenance Sat, Sun and holidays. Air terminal opr

JASU 1(NC-8A/A1) 1(NC-10C) 1(GTC-85/GTE-85)

HOOK E28(B) (1930') HOOK E5 (15' OVRN →) RWY 25 MILITARY SERVICE: A-GEAR E5 RATINGS-07-355 HEAVY WEIGHT (DRY), 25-335 HEAVY WEIGHT (DRY), 14-620

HOOK E28(B) (1926') HOOK E5 (14' OVRN →) RWY 32

life. Bird hazard, See FLIP AP/1 Supplementary Arpt Remark. TFC PAT TPA—Overhead initial 3000(2953), overhead break 1500(1453) day, 1700(1653) night, pattern alt 1000(953) day, 1200(1153) night. Reduced rwy separation standard in effect USN/USMC acft. UHF equipped acft use UHF twr frequency. CSTMS/AG/IMG Avbl only for Whidbey based military acft from Canada, 48 hr prior notice, ctc OPS Duty Officer DSN 820-2681/2682, C360-257-2681/2682, Base OPS DSN 820-2884/2885, C360-257-2884-2885, MISC Precision Approach and Landing Systems Data Link frequency 313.3, TRN-28 Chan 18. COMMUNICATIONS: ATIS 134.15 281.5 R APP/DEP CON 118.2 285.65 (West) 120.7 270.8 (East) TOWER 127.9 340.2 GND CON 121.75 336.4 CLNC DEL 124.15 135.1 379.9

MILITARY REMARKS: See FLIP AP/1 Supplementary Arpt Information. RSTD PPR for all acft except Search and Rescue/Medevac ctc Air Terminal Supervisor, 1430-0100Z‡ at DSN 820-2604/6707, C360-257-2604/6707. Prior coordination/flt advisory rgr for AMC/JOSAC/NALO missions. CAUTION All E5 overrun A-Gear rigged at all times, accidental engagement in the wrong direction will result in acft damage and may result in injury or loss of

RWY 32: ALSF1. OLS. TDZL. REIL.

PRE TAXI CLNC 124.15 135.1 380.0 PMSV METRO 343.4 BASE OPS 350.1 AIRSPACE: CLASS C svc ctc APP CON. RADIO AIDS TO NAVIGATION: NOTAM FILE NUW. at fld. 51/18E. TACAN unusable 133°-163°

(H) TACAN NUW (113.8) Chan 85 N48°21.30′ W122°39.71′

byd 30 NM blo 4,000'.

I_NUW Rwv 14. Unusable byd 3° W of course and byd 5° E of course due to lack of defined glide path and clearance above path. GS unusable byd 5° left and 3° right of course.

ASR/PAR

COMM/NAV/WEATHER REMARKS: VFR advisory svc ctc APP CON. Pre-taxi clnc 135.1 used for pre taxi clnc at NUW, 124.15 on gnd clnc del at CLM-Port Angeles. Radar see Terminal FLIP for Radar Minima.

WILBUR 2 SW UTC-8(-7DT) N47°45.20′ W118°44.64′ FUEL 100LL, JET A NOTAM FILE SEA R RWY 02-20: H3850X60 (ASPH) S-155 MIRI

RWY 20: REIL. PAPI(P2L)-GA 3.0° TCH 40'.

AIRPORT REMARKS: Attended Mon-Fri 1600-0100Z‡. ACTIVATE MIRL

Rwy 02-20 and REIL Rwy 02 and Rwy 20 and PAPI Rwy 20 and rotating bcn-CTAF.

COMMUNICATIONS: CTAF 122 9

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 EPH Chan 73 N47°22.68'

030° 35.7 NM to fld. 1250/21E.

WILLARD FLD (See TEKOA) UTC-8(-7DT) N48°25.50′ W120°08.75′

N45°53.93' W122°44.24'

SEATTLE

SEATTLE

SEATTLE

H-1C. L-13A

L-13A

WILLIAM R FAIRCHILD INTL (See PORT ANGELES)

WILLAPA HARBOR

RWY 10: Bldg.

WILL ROGERS WILEY POST MEM SPB (See RENTON)

WILSON CREEK (5W1) 1 E UTC-8(-7DT) N47°25.49′ W119°06.90′

NOTAM FILE SEA

RWY 10-28: H2500X50 (ASPH)

(See SOUTH BEND (RAYMOND))

AIRPORT REMARKS: Unattended. COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

Chan 73 N47°22.68' EPHRATA (H) VORTACW 112.6 EPH

W119°25.44' 056° 12.9 NM to fld.

WINTHROP METHOW VALLEY STATE (\$52)

B NOTAM FILE SEA RWY 13-31: H5049X75 (ASPH)

S-30 MIRI RWY 13: Thid dspicd 129'. Fence. RWY 31: Thid dspicd 231'. Road.

3 SE

1250/21E.

AIRPORT REMARKS: Unattended. Heavily loaded acft may be making straight out departures and long final apch all dalgt hours May-September. Mountainous terrain surrounds arpt. ACTIVATE

rotating bcn-CTAF. ACTIVATE MIRL Rwy 13-31-CTAF. WEATHER DATA SOURCES: AWOS-3 118.425 (509) 997-0142.

COMMUNICATIONS: CTAF/UNICOM 122.8 RADIO AIDS TO NAVIGATION: NOTAM FILE EPH.

EPHRATA (H) VORTACW 112.6 EPH Chan 73 W119°25.44' 314° 69.3 NM to fld. 1250/21E.

NOTAM FILE SEA

WOODLAND STATE

RWY 14-32: H1953X25 (ASPH) LIRL RWY 14: Thid dspicd 290'. Pole. Rgt tfc.

(W27)

RWY 32: Brush.

AIRPORT REMARKS: Unattended. Pedestrians, vehicles and wildlife on and invof arpt. 12' dike northwest end. Extreme

1SE

UTC-8(-7DT)

turbulence possible when winds from the east. P-lines and building in apch to Rwy 14. Rwy 32 trees, bridge, low hill at southeast end.

COMMUNICATIONS: CTAF 122.9

194 WASHINGTON

```
YAKIMA AIR TERMINAL/MCALLISTER FLD (YKM)(KYKM) P 3 S UTC-8(-7DT)
                                                                                                   SEATTLE
      N46°34 09' W120°32 64'
                                                                                               H-1C I-13A
  1099 B S4 FUEL 100LL, JET A OX 1, 3 Class I, ARFF Index A NOTAM FILE YKM
                                                                                               IAP. DIAP. AD
  RWY 09-27: H7604X150 (ASPH-PFC) S-95, D-160, 2S-175, 2D-220, 2D/2D2-550 PCN 33 F/C/X/T
    HIRL 0.7% up W
    RWY 09: REIL. VASI(V4L)-GA 3.0° TCH 50'.
                                                 RWY 27: MALSR. PAPI(P4L)-GA 3.0° TCH 59'. Road.
  RWY 04-22: H3835X150 (ASPH-PFC) S-70, D-80, 2S-102, 2D-120
                                                                  PCN 28 F/C/X/T MIRL 0.5% up SW
    RWY 04: REIL. PAPI(P4L)—GA 3.0° TCH 50'.
                                               RWY 22: REIL. PAPI(P4L)—GA 3.03° TCH 47'.
  RUNWAY DECLARED DISTANCE INFORMATION
    RWY 04: TORA-3835 TODA-3835
                                     ASDA-3835 LDA-3835
    RWY 09: TORA-7604
                        TODA-7604
                                      ASDA-7604
                                                   LDA-7604
    RWY 22: TORA_3835
                         TODA-3835
                                      ASDA-3835
                                                    IDA_3835
    RWY 27: TORA-7604 TODA-7604 ASDA-7604
                                                   LDA-7604
  AIRPORT REMARKS: Attended continuously. Be alert: Birds invof Yakima River 5 NM east of approach to Rwy 27. Rwy
    04-22 some spalling and raveling. PPR for unscheduled air carrier ops with more than 30 passenger seats, call
    arpt manger 509-575-6149/6014. Twy B from approach end of Rwy 22 to Twy A rstd to acft with wingspans 79'
    or less. When twr clsd ACTIVATE HIRL Rwy 09-27 and MALSR Rwy 27-CTAF.
  WEATHER DATA SOURCES: ASOS (509) 248-1502.
  COMMUNICATIONS: CTAF 133.25
                            ATIS 125.25 UNICOM 122.95
    RCO 122.5 (SEATTLE RADIO)
                                                      SEATTLE CENTER APP/DEP CON 132.6 269.35 (0600-1400Z‡)
    CHINOOK APP/DEP CON 123.8 263.15 (1400-0600Z‡)
                                  GND CON 121.9 CLNC DEL 121.9
    TOWER 133.25 (1400-0600Z±)
  AIRSPACE: CLASS D svc 1400-0600Z‡ other times CLASS E.
  RADIO AIDS TO NAVIGATION: NOTAM FILE YKM.
    (H) VORTACW 116.0
                      YKM Chan 107
                                        N46°34.21′ W120°26.68′ 247° 4.1 NM to fld. 984/21E.
      VOR portion unusable:
       350°-080° byd 25 NM blo 9,000'
                                                                109°-135° byd 25 NM bIO 6,000'
       025°-035° byd 5 NM blo 6,000'
                                                                135°-180° byd 30 NM blo 7,500′
                                                                195°-225° byd 30 NM blo 8,500′
       080°-105° byd 35 NM blo 6,000'
       105°-107° byd 25 NM blo 6,000′
                                                                305°-335° byd 30 NM blo 9,000'
      DME unusable:
       095°-115° byd 26 NM blo 8,000'
                                                                207°-230° byd 20 NM bI0 10,000'
       095°-115° byd 35 NM
                                                                290°-315° byd 20 NM blo 11,000'
       115°-207° byd 20 NM blo 8,500′
                                                                315°-080° byd 12 NM blo 15,000'
       115°-207° byd 36 NM blo 10,000′
                        YK N46°31.54′ W120°22.33′
                                                        274° 7.6 NM to fld. Unmonitored when twr clsd.
    DONNY NDB (LOM) 371
    ILS 110.1
              I_YKM
                         Rwv 27.
                                  LOM DONNY NDB. ILS unmonitored when tower closed.
    COMM/NAV/WEATHER REMARKS: During hours twr is clsd all ops in vicinity of arpt restricted to acft with VHF radio
      capability, unless an emerg exist necessitating UHF equipped acft to land.
```

2010 U.S. & CANADIAN MILITARY AERIAL AIRCRAFT/PARACHUTE DEMONSTRATIONS

During calendar year 2010, the U.S. and Canadian Military Aerial Demonstration Teams (Thunderbirds, Blue Angels, Snowbirds, and Golden Knights) will be performing on the dates and locations listed below.

Pilots should expect Temporary Flight Restrictions (TFR) in accordance with 14 CFR Section 91.145, Management of aircraft operations in the vicinity of aerial demonstrations and major sporting events. The dimensions and effective times of the TFRs may vary based upon the specific aerial demonstration event and will be issued via the U.S. NOTAM system. Pilots are strongly encouraged to check FDC NOTAMs to verify they have the most current information regarding these airspace restrictions.

The currently scheduled 2010 aerial demonstration locations, subject to change without notice, are:

ı	DATE:		USAF Thunderbirds	USN Blue Angels	USA Golden Knights	Canadian Snowbirds
	September	25-26		MCAS Kaneohe		
			McConnell AFB, KS	Bay, HI		Chico, CA
					•	
	October	1-3		MCAS Miramar, CA		MCAS Miramar, CA
		2-3	Salinas, CA		MCAS Miramar, CA	
		2-3			Jackson, MS	
		9-10	Little Rock AFB, AR	San Francisco, CA	Little Rock, AFB, AR	Daytona Beach, FL
ı		16-17	El Paso, TX	Dobbins AFB, GA	El Paso, TX	Atlanta, GA
•		23-24		NAS Jacksonville,		
			Houston, TX	FL	Washington, DC	
		30-31		Ft Worth Alliance,	Ft Worth Alliance,	
			Cocoa Beach, FL	TX	TX	
	November	6-7	Lackland AFB, TX	Homestead ARB, FL	Lackland AFB, TX	
		6-7			Homestead ARB, FL	
		11-14			Ft Bragg, NC	
		12-13		NAS Pensacola, FL		
		13-14	Nellis AFB, NV			
					•	

Note: Dates and locations are scheduled "show dates" only and do not reflect arrival or practice date TFR periods that may precede the specific aerial demonstration events listed above. Again, pilots are strongly encouraged to check FDC NOTAMs to verify they have the most current information regarding any airspace restrictions.

VFR ADVISORY AREA Canadian Airspace VICTORIA-VANCOUVER (Effective: Until Further Notice)

VICTORIA-VANCOUVER

(Effective: Until Further Notice)

Effective 0901 UTC August 6, 1994, a VFR Advisory Area was permanently established between the two Canadian control

zones, from above 1,200' MSL up to 2,500' MSL. Vancouver and Victoria Towers provide radar traffic information to all

PROCEDURES

Victoria/Vancouver

- *All aircraft operating between Victoria and Vancouver within the VFR Advisory Area should follow the routes shown on the graphic.
 - *Northbound: Change from Victoria Tower, 119.1, to Vancouver Tower, 124.0, when instructed by ATC.
 - *Southbound: Change from Vancouver Tower, 124.0, to Victoria Tower, 119.1, when instructed by ATC.
 - *Set transponder codes as requested.

participating aircraft within the VFR Advisory Area.

" NOI CIIDOUIIU:

TRANSITING TRAFFIC

- *Call Vancouver Tower on 124.0 when north of the Active Pass/Samuel Island Line.
- *Call Victoria Tower on 119.1 when south of the Active Pass/Samuel Island Line.
- *Set Transponder codes as requested.

 Routes and recommended altitudes will not be useable by all aircraft at all times because of weather and regulations pertaining to flight over water. Higher altitudes may be requested. If unable to maintain VFR, advice ATC.

Helena, Montana Controlled firing occurs in the vicinity of the Helena, Montana VORTAC (HLN) 24 hours daily, 5'800 MSL and BELOW. The area defined by the following radial/DME coordinates HLN258008, HLN258005, HLN250008, HLN250005. CONTROLLED FIRING

CONTROLLED FIRING Fort Harrison Controlled Firing Area

Limestone Hills Controlled Firing Area Helena, Montana

Controlled firing occurs in the vicinity of the Helena, Montana VORTAC (HLN) 24 hours daily, FL180 and BELOW. The area defined by the following radial/DME coordinates HLN125026, HLN127028, HLN140025, HLN125028.

SPECIAL NORTH ATLANTIC, CARIBBEAN AND

PACIFIC AREA COMMUNICATIONS

VHF air-to-air frequencies enable aircraft engaged in flights over remote and oceanic areas out of range of VHF ground stations to exchange necessary operational information and to facilitate the resolution of operational problems.

Frequencies have been designated as follows: North Atlantic area:

123.45 MHz Caribbean area: 123.45 MHz Pacific area: 123.45 MHz

MOUNT ST. HELENS NATIONAL VOLCANIC MONUMENT, WASHINGTON

The U.S. Geological Survey (USGS) and the U.S. Forest Service (USFS) conduct low level flights to and from monitor

station within the monument and within the crater itself. Due to this activity, the volatility of the volcano and a high volume

of sightseeing flights in the area, the following procedures are recommended in the interest of flying safety.

1. VFR aircraft are encouraged to transmit an initial position report on 122.75 MHz in the blind when flying at altitudes of less than 10,000 feet MSL within 10 nautical miles of the Mount St. Helens volcano crater.

3. VFR flight above 3000 feet AGL - fly a counterclockwise pattern, no closer than 3 miles to the volcano summit. VFR rules of "see and be seen" and good airmanship practices will prevail. Approval to land can only be obtained through appropriate Federal or State authority. Any significant information will be broadcast on the transcribed weather broadcasts by the Seattle and McMinnville Flight Service Stations and available on the Portland and Seattle ATIS. Marginal radar

2. VFR flight below 3000 feet AGL - strongly not recommended.

November to May. Caution advised at all airports or while transiting area.

Monument.

DEVILS TOWER NATIONAL MONUMENT. WYOMING For reasons of national welfare, pilots are requested to avoid flights within 3 nautical miles of Devils Tower National

coverage limits Seattle Center's ability to provide radar flight following to aircraft in orbit of the volcano.

BIRD HAZARD OREGON AND WASHINGTON

Heavy concentration of migratory and wintering flocks of large waterfowl from the Canadian to California borders annually

SIMULTANEOUS OPERATIONS Boeing Field/King County International Airport

Seattle, Washington All users: Boeing Field Airport Traffic Control Tower is authorized to conduct simultaneous same direction operations to

Application of visual separation for simultaneous operations. When weather conditions at Spokane International Airport are 1500' ceiling and 5 miles visibility or greater Spokane International Airport controllers may provide visual separation of

parallel runways, between sunrise and sunset, for Category II aircraft and smaller. **Spokane International Airport** Spokane, Washington

and 500 feet laterally of the light source. Cockpit illumination-flash blindness may occur beyond these distances.

aircraft landing and departing simultaneously at Spokane International Airport and Fairchild Airforce Base. LASER LIGHT DEMONSTRATIONS

Bozeman, Montana A laser light demonstration will be conducted daily between 0000 and 2359 MDT until June 24, 2011 at Montana State

University BZN VORTAC 129 radial at 8 NM LAT 45-39-59N/Long 111-02-44W. The laser beam elevation will be a maximum of 090 and a minimum of 089. The beam may be injurious to eyes when viewed within 12000 feet AGL vertically

SPECIAL NOTICES

SEATTLE-TACOMA INTL SEATTLE. WASHINGTON

During peak departure periods, gatehold procedures are implemented for all IFR departures. Additional information will be broadcast on ATIS.

Gatehold Procedures:

Oceanic Departures:

1. Contact Clearance Delivery only when you will be ready to taxi within ten minutes. State destination, requested altitude, "ten minutes to taxi."

2. If ATC delays are more than 15 minutes for your filed altitude/route, alternatives with less delay will be offered. 3. Failure to depart the gate within ten minutes or reach the runway at the release time specified in the IFR clearance may

result in the cancellation of your clearance.

for military users.

MOUNTAIN HOME, IDAHO

All aircraft operating within 20 NM of the Liberator VOR are requested to contact Mountain Home APP CON on 124.8 for traffic advisory due to intensive military training in the Mountain Home area.

MILITARY TRAINING ROUTES to policy and procedures for IRs and VRs is published in FAA Handbook 7610.4 (Special Military Operations) which is

The DOD Flight Information Publication AP/1B provides textual and graphic descriptions and operating instructions for all military training routes (IR, VR, SR) and refueling tracks/anchors. Complete and more comprehensive information relative

CIVIL USE OF MILITARY FIELDS:

agreed to by the DOD and therefore directive for all military flight operations. The AP/1B is the official source of route data

U.S. Army, Air Force, Navy and Coast Guard Fields are open to civil fliers only in emergency or with prior permission.

Army installations, prior permission is required from the Commanding Officer of the installation. For Air Force installations, prior permission should be requested at least 30 days prior to first intended landing from

rights for certain categories of civil aircraft). For use of more than one Air Force installation, requests should be forwarded

either Headquarters USAF (PRPOC) or the Commander of the installation concerned (who has authority to approve landing

direct to Hq USAF (PRPOC), Washington, D.C. 20330. Use of USAF installations must be specifically justified.

For Navy and Marine Corps installations, prior permission should be requested at least 30 days prior to first intended

landing. An Aviation Facility License must be approved and executed by the Navy prior to any landing by civil aircraft.

Forms and further information may be obtained from the nearest U.S. Navy or Marine Corps aviation activity.

For Coast Guard fields prior permission should be requested from the Commandant, U.S. Coast Guard via the

Commanding Officer of the field. When instrument approaches are conducted by civil aircraft at military airports, they shall be conducted in accordance

AIRCRAFT LANDING RESTRICTIONS

with the procedures and minimums approved by the military agency having jurisdiction over the airport.

Landing of aircraft at locations other than public use airports may be a violation of Federal or local law. All land and water areas are owned or controlled by private individuals or organizations, states, cities, local governments, or U.S. Government

agencies. Except in emergency, prior permission should be obtained before landing at any location that is not a designated

public use airport or seaplane base.

Landing of aircraft is prohibited on lands or water administered by the National Park Service, U.S. Fish and Wildlife

Service, U.S. Forest Service, and on many areas controlled by the U.S. Army Corps of Engineers, unless prior authorization is obtained from the respective agency.

CONTINUOUS POWER FACILITIES In order to insure that a basic ATC system remains in operation despite an areawide or catastrophic commercial power

failure, key equipment and certain airports have been designated to provide a network of facilities whose operational capability can be utilized independent of any commercial power supply. In addition to those facilities comprising the basic ATC system, the following approach and lighting aids have been

included in this program for a selected runway.

- 1. ILS (Localizer, Glide Slope, COMLO, Inner, Middle and Outer Markers)

 - 2. Wind Measuring Capability

 - 3. Approach Light System (ALS) or Short ALS (SALS)

 - 4. Ceiling Measuring Capability
 - 5. Touchdown Zone Lighting (TDZL)
 - 6. Centerline Lighting (CL)
- 7. Runway Visual Range (RVR)

Indianapolis, IN (IND)

Jacksonville, FL (JAX).....

Kansas City, MO (MCI).....

05L

07

19R

, , , , , , , , , , , , , , , , , , , ,			
8. High Intensity Runway Lighting (H	IRL)		
9. Taxiway Lighting			
10. Apron Light (Perimeter Only)			
The following have been designated	"Continuous Power	Airports," and have independent back	up capability for the
quipment installed.			
Airport/Ident	Runway No.	Airport/Ident	Runway No.
Albuquerque, NM (ABQ)	08	Milwaukee, WI (MKE)	01L
Andrews AFB, MD (ADW)	01L	Minneapolis, MN (MSP)	30L
Anchorage, AK (ANC)	07R	Nashville, TN (BNA)	02L
Atlanta, GA (ATL)	09R	New Orleans, LA (MSY)	10
Baltimore, MD (BWI)	10	New York, NY (JFK)	04R
Bismarck, ND (BIS)	31	New York, NY (LGA)	22
Boise, ID (BOI)	10R	Newark, NJ (EWR)	04R
Boston, MA (BOS)	04R	Oklahoma City, OK (OKC)	35R
Charlotte, NC (CLT)	36L	Omaha, NE (OMA))	14R
Chicago, IL (ORD)	10	Ontario, CA (ONT)	26L
Cincinnati, OH (CVG)	36C	Philadelphia, PA (PHL)	09R
Cleveland, OH (CLE)	06R	Phoenix, AZ (PHX)	08
Dallas/Fort Worth, TX (DFW)	17C	Pittsburgh, PA (PIT)	10L
Denver, CO (DEN)	35R	Reno, NV (RNO)	16R
Des Moines, IA (DSM)	31	Salt Lake City, UT (SLC)	34L
Detroit, MI (DTW)	03R	San Antonio, TX (SAT)	12R
El Paso, TX (ELP)	22	San Diego, CA (SAN)	09
Fairbanks, AK (FAI)	01L	San Francisco, CA (SFO)	28R
Great Falls, MT (GTF)	03	San Juan, PR (SJU)	08
Honolulu, HI (HNL)	08L	Seattle, WA (SEA)	16C
Houston, TX (IAH)	26L	St. Louis, MO (STL)	30R

24R Los Angeles, CA (LAX)..... Washington, DC (IAD) 01R Memphis, TN (MEM)..... 36L Wichita, KS (ICT)..... 01L Miami, FL (MIA)..... NOTE—The existing CPA runway is listed. Pending and future changes at some locations will require a revised runway designation.

Tampa, FL (TPA)

Tulsa, OK (TUL)..... Washington, DC (DCA) 36L 36R

01

Night Vision Lights Out Operations

Yakima Training Center, Washington

YTC reservation but outside of the restricted airspace. The general description of the night vision goggle (NVG) training area is that airspace bordered by R-6714H on the south, Highline Canal on the west, the southern edge of Interstate 90 on the

Military helicopter activity will be conducted for night vision lights out training at Yakima Training Center, Washington. Position lights will be extinguished or greatly reduced in intensity. The training will be conducted within the confines of the

north, and Ginko State Park Petified Forest on the east. The boundaries of the NVG area are:

Beginning at lat. 46°55'03"N, long. 120°01'34"W: to lat. 46°55'40"N, long. 120°01'35"W;

to lat. 46°55'39"N, long. 120°02'52"W; to lat. 46°56'15"N, long. 120°02'52"W thence west along the southern edge of Interstate 90;

to lat. 46°57'21"N, long. 120°18'08"W;

thence west/southwest along the Highline Canal;

to lat. 46°55'24"N, long. 120°19'55"W; to point of beginning.

Times of use: Sunset to sunrise, daily.

Request Publication date of May 22, 1997.

NOTAM information.

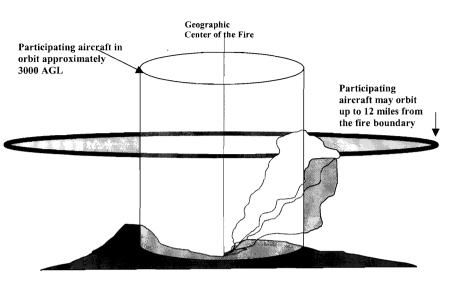
Please refer any questions to James Riley, ANM-532.2, at (206) 227-2537.

LIGHTS-OUT OPERATIONS

Hays MOA, Montana

Lights-out night vision goggle training operations conducted within the Hays MOA at all altitudes from sunset to sunrise when MOA is active by NOTAM. Contact Salt Lake City ARTCC on 133.4 or 119.75 or Great Falls FSS for schedule and

FIREFIGHTING TRAFFIC AREAS



Pilots are advised to stay clear of Firefighting Traffic Areas. Remain 15 miles from the area of activity. If you must over-fly the area, do so at an altitude of 5000 feet AGL above. However, to remain safe and out of the way of working aircraft, it is best to circumnavigate the area.

The wild-land fire environment can be very complex and involve a large number and variety of aircraft types including fixed and rotary wing aircraft. Some of the aircraft are small single and multi-engine command and control platforms that can be especially difficult to see and may give the appearance that the fire is not staffed. The aircraft participating in firefighting can orbit as far out as 12 miles from the perimeter of the fire. Any intrusion by aircraft not directly involved in the firefighting operation could delay the delivery of much needed retardant or water to ground firefighters and will adversely affect the safety of participating aircraft. Please stay well away from wild-land fires even if you feel that aircraft are not working the fire; they may be en route or unseen.

If you see a fire developing along your route, report it immediately to air traffic control who will advise the US Forest Service. The firefighting community would welcome this information.

REGULATORY NOTICES

The following narratives summarize the FAR Part 93 Special Air Traffic Rules, and Airport Traffic Patterns in effect as prescribed in the rule. This information is advisory in nature and in no way relieves the pilot from compliance with the specific rules set forth in FAR Parts 91 and 93.

Special Airport Traffic Areas prescribed in Part 93 are depicted on Sectional Aeronautical Charts, World Aeronautical Charts, Enroute Low Altitude Charts, and where applicable, on VFR Terminal Area Charts.

OPERATIONS RESERVATIONS FOR HIGH DENSITY TRAFFIC AIRPORTS KENNEDY, LAGUARDIA, AND WASHINGTON REAGAN NATIONAL

The Federal Aviation Administration (FAA) has designated New York's Kennedy and LaGuardia Airports and Washington Reagan National Airport as High Density Traffic Airports (HDTA), Title 14, Code of Federal Regulations, part 93, subpart K, and has prescribed air traffic rules and requirements for operating aircraft (excluding helicopters) to and from those airports during certain hours.

Reservations are required for operations from 6 a.m. through 11:59 p.m. local time at LaGuardia Airport and Washington Reagan National Airport. Reservations at Kennedy Airport are required from 3 p.m. through 7:59 p.m. local time.

Reservation procedures are detailed in Advisory Circular 93–1, Reservations for Unscheduled Operations at High Density Traffic Airports. A copy of the advisory circular is available on the FAA website at http://www.faa.gov. Reservations for unscheduled operations are allocated through the Enhanced Computer Voice Reservation System (e–CVRS) accessible via telephone or the Internet. This system may not be used to make reservations for scheduled air carrier or commuter flights.

The toll–free telephone number for accessing e–CVRS is 1–800–875–9694 and is available for calls originating within the United States, Canada, and the Caribbean. Users outside the toll–free areas may access e–CVRS by calling the toll number of 703–707–0568. The Internet web address for accessing the e–CVRS is http://www.fly.faa.gov/ecvrs. If you have any questions about reservation requirements or are experiencing problems with the system, you may telephone the Airport Reservation Office at the Air Traffic Control System Command Center at (703) 904–4452.

Requests for instrument flight rules (IFR) reservations will be accepted beginning 72 hours prior to the proposed time of operation at the high–density airport. For example, a request for an 11 a.m. reservation on a Thursday will be accepted beginning at 11 a.m. on the previous Monday.

IFR reservations must be obtained prior to IFR landing or takeoff at an HDTA during slot controlled hours. An air traffic control (ATC) clearance does not constitute a reservation. A reservation does not constitute permission to operate at an HDTA if additional operational limits or procedures are required by NOTAM and/or regulation.

Aircraft involved in medical emergencies will be handled by ATC without regard to a reservation after obtaining prior approval of the ATC System Command Center on (703) 904–4452. ATC will accommodate declared other emergency situations without regard to slot reservations.

NOTE: Visual flight rule (VFR) reservations via ATC for unscheduled operations at LaGuardia are not authorized from 7 a.m. through 8:59 a.m. local time and 4 p.m. through 6:59 p.m. local time, Monday through Friday and Sunday evenings, unless otherwise announced by NOTAM. Both IFR and VFR operations during those time periods must obtain an advance reservation through e–CVRS.

FAA AND NWS 227

FSS TELEPHONE NUMBERS

Flight Service Station (FSS) facilities provide flight planning and weather briefing services to pilots. FSS services in the

remote facilities some of which operate part-time. Because of the interconnectivity between the facilities, all FSS services including radio frequencies are available continuously using published data.

contiguous United States, Hawaii and Puerto Rico, are provided by a network of large FSS facilities and a few select

Telephone Information Briefing Service (TIBS) is a FSS service that provides continuous recordings of meteorological and/or aeronautical information. A touch-tone telephone is required to fully utilize this service.

Further information can be found in the Aeronautical Information Manual (AIM).

NATIONAL FSS TELEPHONE NUMBER

Pilot Weather Briefings

OTHER FSS TELEPHONE NUMBERS (except in Alaska)

* District of Columbia Special Flight Rules Area & Flight Restricted Zone

228 FAA AND NWS

KEY to AERODROME FORECAST (TAF) and AVIATION ROUTINE WEATHER REPORT (METAR)

TAF KPIT 091730Z 091818 15005KT 5SM HZ.FEW020 WS010/31022KT
FM1930 30015G25KT 3SM SHRA OVC015 TEMPO 2022 1/2SM +TSRA
OVC008CB
FM0100 27008KT 5SM SHRA BKN020 OVC040 PROB40 0407 1SM -RA BR
FM1015 18005KT 6SM -SHRA OVC020 BECMG 1315 P6SM NSW SKC

METAR KPIT 091955Z COR 22015G25KT 3/4SM R28L/2600FT TSRA OVC010CB
18/16 A2992 RMK SLP045 T01820159

Forecast

Explanation

Report

TAF

| Message type: TAF-routine or TAF AMD-amended forecast, METAR-hourly, SPECI-special or TESTM-non-commissioned ASOS report
| ICAO location indicator | ICAO location indicator | ICAO location indicator | ISsuance time: ALL times in UTC "Z", 2-digit date, 4-digit time | O91955Z |
| Valid period: 2-digit date, 2-digit beginning, 2-digit ending times | In U.S. METAR: CORrected ob; or AUTOmated ob for automated report with no human intervention; omitted when observer logs on |
| 15005KT | Wind: 3 digit true-north direction, nearest 10 degrees (or VaRiaBle); next 2-3 digits for speed and unit, KT (KMH or MPS); as needed, Gust and maximum speed; 00000KT for calm; for METAR, if direction varies 60 degrees or more, Variability appended, e.g. 180V260

	hourly, SPECI-special or TESTM-non-commissioned ASOS report	
KPIT	ICAO location indicator	KPIT
091730Z	Issuance time: ALL times in UTC "Z", 2-digit date, 4-digit time	091955Z
091818	Valid period: 2-digit date, 2-digit beginning, 2-digit ending times	
	In U.S. METAR : <u>COR</u> rected ob; or <u>AUTO</u> mated ob for automated report with no human intervention; omitted when observer logs on	COR
15005KT	Wind: 3 digit true-north direction, nearest 10 degrees (or VaRiaBle); next 2-3 digits for speed and unit, KT (KMH or MPS); as needed, Gust and maximum speed; 00000KT for calm; for METAR, if direction varies 60 degrees or more, Variability appended, e.g. 180V260	22015G25KT
5SM	Prevailing visibility: in U.S., <u>Statute Miles & fractions</u> ; above 6 miles in TAF <u>Plus6SM</u> . (Or, 4-digit minimum visibility in meters and as required, lowest value with direction)	3/4SM
	Runway Visual Range: R; 2-digit runway designator Left, Center, or Right as needed; "/"; Minus or Plus in U.S., 4-digit value, FeeT in U.S., (usually meters elsewhere); 4-digit value Variability 4-digit value (and tendency Down, Up or No change)	R28L/2600FT
HZ	Significant present, forecast and recent weather: see table (on back)	TSRA
FEW020	Cloud amount, height and type: SKy Clear 0/8, FEW >0/8-2/8, SCaTtered 3/8-4/8, BroKeN 5/8-7/8, OVerCast 8/8; 3-digit height in hundreds of ft; Towering CUmulus or CumulonimBus in METAR; in TAF, only CB. Vertical Visibility for obscured sky and height "VV004". More than 1 layer may be reported or forecast. In automated METAR reports only, CLeaR for "clear below 12,000 feet"	OVC010CB
	Temperature: degrees Celsius; first 2 digits, temperature "/" last 2 digits, dew-point temperature; Minus for below zero, e.g., M06	18/16
	Altimeter setting: indicator and 4 digits; in U.S., A-inches and hundredths; (Q-hectoPascals, e.g., Q1013)	A2992

AVIATION ROUTINE WEATHER REPORT (METAR)

Explanation Forecast WS010/31022KT speed above the indicated height, and unit, KT

Report In U.S. TAF, non-convective low-level (≤2,000 ft) Wind Shear: 3-digit height (hundreds of ft); "/"; 3-digit wind direction and 2-3 digit wind RMK In METAR, ReMarK indicator & remarks, For example: Sea-Level **SLP045** Pressure in hectoPascals & tenths, as shown: 1004.5 hPa; Temp/ T01820159 dew-point in tenths °C, as shown: temp. 18.2°C, dew-point 15.9°C FM1930 FroM and 2-digit hour and 2-digit minute **beginning** time: indicates significant change. Each FM starts on new line, indented 5 spaces. **TEMPO 2022** TEMPOrary: changes expected for < 1 hour and in total, < half of 2-digit hour **beginning** and 2-digit hour **ending** time period PROB40 0407 PROBability and 2-digit percent (30 or 40); probable condition during 2-digit hour **beginning** and 2-digit hour **ending** time period

Table of Significant Present, Forecast and Recent Weather - Grouped in categories and used in the order listed below; or as needed in TAF, No Significant Weather. **QUALIFIER**

+ Heavy

PR Partial

SN Snow

FU Smoke

PY Sprav

GR Hail

TS Thunderstorm

SG Snow grains

VA Volcanic ash

DU Widespread dust

PO Well developed

UNITED STATES DEPARTMENT OF COMMERCE

GS Small hail/snow pellets

BECoMinG: change expected during 2-digit hour beginning and

Intensity or Proximity - Liaht

BECMG 1315

- VC Vicinity: but not at aerodrome; in U.S. METAR, between 5 and 10SM of the point(s) of
- observation; in U.S. TAF, 5 to 10SM from center of runway complex (elsewhere within 8000m) Descriptor MI Shallow

2-digit hour ending time period

"no sign" Moderate

BC Patches

BL Blowing SH Showers FZ Freezing DR Drifting WEATHER PHENOMENA

Precipitation

- DZ Drizzle RA Rain PL Ice pellets IC Ice crystals
- UP Unknown precipitation in automated observations
- Obscuration
- BR Mist (≥5/8SM) FG Fog (<5/8SM)
- SA Sand HZ Haze

NOAA/PA 96052

- Other SQ Squall SS Sandstorm DS Duststorm FC Funnel cloud +FC tornado/waterspout
 - dust/sand whirls Explanations in parentheses "()" indicate different worldwide practices. Ceiling is not specified; defined as the lowest broken or overcast layer, or the vertical visibility.
 - NWS **TAFs** exclude turbulence, icing & temperature forecasts; NWS **METARs** exclude trend fcsts Although not used in US, Ceiling And Visibility OK replaces visibility, weather and clouds if: visibility ≥10 km; no cloud below 5000 ft (1500 m) or below the highest minimum sector altitude, which-
 - ever is greater and no CB; and no precipitation, TS, DS, SS, MIFG, DRDU, DRSA or DRSN.

National Oceanic and Atmospheric Administration—National Weather Service

FAA AND NWS

Air Traffic Control System Command Center

Main Number......703–904–4400

RGNL AIR TRAFFIC DIVISIONS				
REGION TELEPHONE				
Alaskan	907-271-5464			
Central	816-329-2500			
Eastern	718-553-4502			
Great Lakes	847-294-7202			
New England	781-238-7500			
Northwest Mountain	425-227-2500			
Southern	404-305-5500			
Southwest	817-222-5500			
Western Pacific	310-725-6500			

AIR ROUTE TRAFFIC CONTROL CENTERS (ARTCCs)

ARTCC NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS Hours	BUSINESS TELEPHONE #
Albuquerque	817-222-5006	7:30 a.m4:00 p.m.	505-856-4300
Anchorage	907-271-5936	7:30 a.m4:00 p.m.	907-269-1137
Atlanta	404-305-5180	7:30 a.m5:00 p.m.	770-210-7601
Boston	617-238-7001	7:30 a.m4:00 p.m.	603-879-6633
Chicago	847-294-8400	8:00 a.m4:00 p.m.	630-906-8221
Cleveland	847-294-8400	8:00 a.m4:00 p.m.	440-774-0310
Denver	425-227-1389	7:30 a.m4:00 p.m.	303-651-4100
Ft. Worth	817-222-5006	7:30 a.m4:00 p.m.	817-858-7300
Houston	817-222-5006	7:30 a.m4:00 p.m.	281-230-5300
Indianapolis	847-294-8400	8:00 a.m4:00 p.m.	317-247-2231
Jacksonville	404-305-5180	8:00 a.m4:30 p.m.	904-549-1501
Kansas City	816-329-3000	7:30 a.m4:00 p.m.	913-254-8500
Los Angeles	661-265-8200	7:30 a.m4:00 p.m.	661-265-8200
Memphis	404-305-5180	7:30 a.m4:00 p.m.	901-368-8103
Miami	404-305-5180	7:00 a.m3:30 p.m.	305-716-1500
Minneapolis	847-294-8400	8:00 a.m4:00 p.m.	651-463-5580
New York	718-995-5426	8:00 a.m4:40 p.m.	516-468-1001
Oakland	310-725-3300	6:30 a.m3:00 p.m.	510-745-3331
Salt Lake City	425-227-1389	7:30 a.m4:00 p.m.	801-320-2500
Seattle	425-227-1389	7:30 a.m4:00 p.m.	253-351-3500
Washington	718-995-5426	8:00 a.m4:30 p.m.	703-771-3401

MAJOR TERMINAL RADAR APPROACH CONTROLS (TRACONS)

TRACON NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS HOURS	BUSINESS TELEPHONE #
Atlanta	404-305-5180	7:00 a.m3:30 p.m.	404-669-1200
Chicago	847-294-8400	8:00 a.m4:00 p.m.	847-608-5509
Dallas/Ft. Worth	817-222-5006	7:30 a.m4:00 p.m.	972-615-2500
Denver	425-227-1389	7:30 a.m4:00 p.m.	303-342-1500
Houston	817-222-5006	7:30 a.m4:00 p.m.	281-230-8400
New York	718-995-5426	8:00 a.m4:30 p.m.	516-683-2901
Northern CA	310-725-3300	7:00 a.m3:30 p.m.	916-366-4001
Potomac	718-995-5426	8:00 a.m4:30 p.m.	540-349-7500
Southern CA	310-725-3300	7:30 a.m4:00 p.m.	858-537-5800

^{*}Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

BUSINESS **TELEPHONE #**

505-842-4366

301-735-2380

410-962-3555

617-455-3100

203-627-3428

818-567-4806

704-344-6487

773-884-3670

773-601-7600

216-898-2020

606-767-1006

972-615-2531

937-454-7300

303-342-1600

734-955-5000

907-474-0050

305-356-7932

713-230-8400

404-669-1200

808-840-6100

713-847-1400

317-484-6600

808-877-0725

816-329-2700

702-262-5978

310-342-4900

504-471-4300

901-322-3350

305-869-5400

612-713-4000

615-781-5460

718-656-0335

718-335-5461

973-565-5000

408-982-0750

909-983-7518

407-850-7000 215-492-4100

602-379-4226

412-269-9237

503-493-7500

919-840-5544

703-413-1535

801-325-9600

210-805-5507

619-299-0677

650-876-2883

809-253-8663

206-214-4600

314-890-1000

813-371-7700

907-271-2700

201-288-1889

571-323-6372

561-683-1867

914-948-6520

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:00 p.m.

8:00 a.m.-4:00 p.m.

8:00 a.m.-4:00 p.m.

8:00 a.m.-4:30 p.m.

8:30 a.m.-5:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:00 a.m.-3:30 p.m.

7:30 a.m.-4:00 p.m.

7:00 a.m.-3:30 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-5:00 p.m.

8:00 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:00 a.m.-3:30 p.m.

7:00 a.m.-4:30 p.m.

7:30 a.m.-4:00 p.m.

7:00 a.m.-4:00 p.m.

8:00 a.m.-4:00 p.m.

7:00 a.m.-3:30 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-5:00 p.m.

8:00 a.m.-4:30 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-4:30 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

7:00 a.m.-3:30 p.m.

7:30 a.m.-5:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

7:30 a.m.-4:00 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

8:00 a.m.-4:30 p.m.

KEY AIR TRAFFIC FACILITIES

404-305-5180

847-294-8400

847-294-8400

847-294-8400

708-294-7401

817-222-5006

847-294-8400

425-227-1389

847-294-8400

907-271-5936

404-305-5180

817-222-5006

404-305-5180

310-725-3300

817-222-5006

847-294-8400

310-725-3300

816-329-3000

310-725-3300

310-725-3300

817-222-5006

404-305-5180

404-305-5180

847-294-8400

404-305-5180

718-995-5426

718-995-5426

718-995-5426

310-725-3300

310-725-3300

404-305-5180

718-995-5426

310-725-3300

718-995-5426

425-227-1389

404-305-5180

718-995-5426

425-227-1389

817-222-5006

310-725-3300

310-725-3300

404-305-5180

425-227-1389

816-329-3000

404-305-5180

907-271-5936

718-995-5426

718-995-5426

404-305-5180

718-995-5426

NW. 23 SEP 2010 to 18 NOV 2010

*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

	DAILY NAS REPORTABLE AIRPORTS		
AIRPORT NAME	*24 HR RGNL DUTY OFFICE TELEPHONE #	BUSINESS HOURS	
Albuquerque Intl Sunport, NM	817-222-5006	8:00 a.m5:00 p.m.	
Andrews AFB, MD	718-995-5426	8:00 a.m4:30 p.m.	
Baltimore/Washington			
Intl Thurgood Marshall, MD	718-995-5426	8:00 a.m4:30 p.m.	
Boston Logan Intl, MA	781-238-7001	7:30 a.m4:00 p.m.	
Bradley Intl, CT	617-238-7001	7:30 a.m4:00 p.m.	
Burbank/Bob Hope, CA	310-725-3300	7:00 a.m5:30 p.m.	

Charlotte Douglas Intl. NC

Cleveland Hopkins Intl, OH

Intercontinental/Houston, TX

Hartsfield-Jackson Atlanta Intl. GA

Louis Armstrong New Orleans Intl, LA

Norman Y. Mineta San Jose Intl, CA

Covington/Cincinnati, OH

Dallas/Ft. Worth Intl, TX

Dayton Cox Intl. OH

Denver Intl. CO

Detroit Metro, MI

Fairbanks Intl, AK Fort Lauderdale Intl, FL

George Bush

Honolulu Intl. HI

Houston Hobby, TX

Indianapolis Intl, IN

Kansas City Intl, MO

Las Vegas McCarran, NV Los Angeles Intl, CA

Minneapolis/St. Paul, MN

New York Kennedy Intl, NY

New York La Guardia, NY

Newark Liberty Intl, NJ

Kahului/Maui, HI

Memphis Intl, TN

Nashville Intl, TN

Ontario Intl, CA

Orlando Intl. FL

Philadelphia Intl, PA

Pittsburgh Intl, PA

Raleigh-Durham, NC

Salt Lake City, UT

San Juan Intl PR

Tampa Intl. FL

Teterboro, NJ

San Antonio Intl, TX

San Francisco Intl, CA

Seattle-Tacoma Intl, WA

St. Louis Lambert, MO

Portland Intl, OR

Phoenix Sky Harbor Intl, AZ

Ronald Reagan Washington National, DC

San Diego Lindbergh Intl, CA

Ted Stevens Anchorage Intl, AK

Washington Dulles Intl. DC

West Palm Beach, FL

Westchester Co, NY

Miami Intl, FL

Chicago Midway, IL

Chicago O'Hare Intl, IL

Air Route Traffic Control Center frequencies and their remoted transmitter sites are listed below for the coverage of this volume. Bold face type indicates high altitude frequencies, light face type indicates low altitude frequencies. To insure unrestricted IFR operations within the high altitude enroute sectors, the use of 720 channel communications equipment (25 kHz channel spacing) is required.

```
RDENVER CENTER - 125.9
                                                                     H-1-2-3-4-5-6, L-8-9-10-11-12-13-14-15
            Casper - 135.6 118.925
            Cherokee - 132.1
            Cheyenne - 134.575 133.175 132.1 125.9
            Laramie - 125.9
            Lusk - 135.6
           Medicine Bow - 133.175 132.1 126.5
           Rock Springs - 128.5
            Sundance - 135.6 133.675
         RSALT LAKE CITY CENTER
                                                                                     H-1-2-3, L-9-11-12-13-14
                                                                                                         (KZLC)
ı
            Ashton - 132.4 128.35 128.35
            Baker - 128.05
           Big Piney - 128.35 128.35
           Billings - 127.75 127.75
           Blackfoot - 128.35 128.35
           Bliss - 128.55 121.15 118.05
١
           Boise - 118.05
           Boysen - 133.25 133.25
            Bozeman - 132.4 132.4
           Burley - 118.05
           Butte - 133.4 132.4 132.4
            Cascade - 121.15
           Francis Peak - 127.7
            Glasgow - 126.85 126.85
            Great Falls - 133.4 119.75
           Green River - 124.35 124.35
           Jackson - 133.25 133.25
```

Ontario - 128.05 Rome - 128.05 121.15 Salmon - 132.4 132.4 Sheridan - 127.75 127.75 Squaw Butte - 128.05 121.15

Lakeside - 133.4 119.75 Lovell - 133.25 133.25 Malad City - 133.8 127.7 125.925 Miles City - 126.85 126.85 Miller Peak - 133.4 119.75 119.75

Judith Mountain - 133.4 126.85 126.85

R SEATTLE CENTER Antelope Mountain - 124.85

Arcata - 124.85 Badger Mountain - 127.05 127.05 134.95 134.95

Dallesport - 126.6 126.6 Fort Lawton - 127.05 127.05 Hoquiam - 128.3

Horton - 132.075 125.8 121.4 Kimberly - 135.45 Klamath Falls - 134.9 127.6

Lakeside - 123.95 Lakeview - 135.35 127.6 Larch Mountain - 128.3 128.3 126.6 126.6 Marlin - 126.1

Beacon Hill - 127.05 127.05 120.3 120.3 Cottonwood - 123.95 118.55

Medford - 135.15 124.85 121.4 Mohler - 128.45 Mullan Pass - 128.45 Nassel - 124.2

Neah Bay - 125.1 125.1 Redmond - 121.35 134.9 135.35 128.15 Rex-Parrett - 121.35

Scappoose - 124.2 128.15 **Spokane -** 123.95 119.225

Stampede Pass - 134.95 134.95 The Dalles - 135.45 119.65 Wallula - 132.6

Wenatchee - 126.1

Whidbev Island - 134.95 134.95 128.5 125.1 125.1 Yakima - 135.525 135.525 132.6 120.3 120.3 118.55

NW. 23 SEP 2010 to 18 NOV 2010

H-1-3, L-1-2-11-13

(KZSE)

VHF frequencies available at Flight Service Stations and at their remote communication outlets (RCO's) are listed below for the coverage of this volume. Frequencies in bold type are available all altitudes but recommended for use FL180 and above. "T" indicates transmit only and "R" indicates receive only. RCO's available at NAVAID's are listed after the NAVAID

BOISE AFSS ASHTON RCO 123.625

name. RCO's not at NAVAID's are listed by name.

BLISS RC0 122.4 BOISE RCO 122.2 122.6

CONNERS RCO 122.05 COEUR D'ALENE RCO 122.05 HAILEY RCO 122.4 IDAHO FALLS RCO 122.55 LEWISTON RCO 122.35

CASCADE RCO 122.35

MALAD CITY RCO 122.65 MOUNTAIN HOME RCO 122.6 MULLAN PASS RCO 122.15 POCATELLO RCO 122.35

ROME RCO 122.65 SALMON RCO 122.55 SQUAW BUTTE RCO 122.45 STANLEY RCO 122.6 TWIN FALLS RCO 122.25

CASPER AFSS ANTELOPE GAP RCO 122.2

BIG PINEY RCO 122.3 BOYSEN RESERVOIR RCO 122.3 CASPER RCO 122.2 122.4 CHEROKEE RCO 122.4

CHEYENNE RCO 122.3 CODY RCO 122.3 CONVERSE RCO 121.975

CRAZY WOMAN RCO 122.025 **DUNIOR RCO 122.6**

FORT BRIDGER RCO 122.3 GILLETTE RCO 122.3

JACKSON RCO 122.05

LARAMIE RCO 122.6

NEWCASTLE RCO 122.5

RAWLINS RCO 122.2 RIVERTON RCO 122.2

ROCK SPRINGS RCO 122.6 SHERIDAN RCO 122.5 WORLAND RCO 122.4

MEDICINE BOW RCO 122.5

GREAT FALLS AFSS BILLINGS RCO 122.55

BOZEMAN RCO 122.5 BUTTE RCO 122.2 122.4

COPPERTOWN RCO 122.65 CUT BANK RCO 122.2

DILLON RCO 122.15 DRUMMOND RCO 122.25 GLASGOW RCO 122.25 GLENDIVE RCO 122.55

GREAT FALLS RCO 122.6 HARLOWTON RCO 122.4 **HAVRE RCO 123.65**

HELENA RCO 122.55 JUDITH MOUNTAIN RCO 122.2 LAKESIDE RCO 122.5

LEWISTOWN RCO 122.35 LIVINGSTON RCO 122.2

MILES CITY RCO 122.2 MILLER PEAK RCO 122.45 **SIDNEY RCO 123.65** TOWER HILL RCO 122.3 WOLF POINT RCO 122.45

YELLOWSTONE RCO 119.4 Mc MINNVILLE AFSS

ASTORIA RCO 122.3 AUGSPURGER RCO 122.3

BEAVER MOUNTAIN RCO 122.4 **BURNS RCO 122.5** CAPE BLANCO RCO 122.4

ENTERPRISE RCO 122.5 EUGENE RCO 122.3

KIMBERLY RCO 122.6 KLAMATH FALLS RCO 122.6 LA GRANDE RCO 122.5 LAKEVIEW RCO 122.3

MC MINNVILLE RCO 122.45 MEDFORD RCO 122.65 NEWBERG RCO 122.45

NEWPORT RCO 122.5 NORTH BEND RCO 122.4 ONTARIO RCO 122.3

PENDLETON RCO 122.2 PORTLAND RCO 122.6 REDMOND RCO 122.5

ROSEBURG RCO 122.55 SALEM RCO 122.6 SEXTON SUMMIT RCO 122.5

SUNRIVER RCO 122.3

WALLULA RCO 122.6

236 FSD0

FLIGHT STANDARDS DISTRICT OFFICES (FSDO)

Below is a list of FSDO's in the area of coverage of this directory. These offices serve the aviation industry and general public on matters relating to certification and operation of general aviation aircraft. Address letters to Manag Flight Standards District Office–Federal Aviation Administration.

IDAHO

3295 Elder Street, Suite 350 Airport Plaza Boise, ID 83705

Telephone: 208-334-1238

MONTANA

Helena Airport 2725 Skyway Drive Helena, MT 59601

Telephone: 406-449-5270

1-800-457-9917

OREGON

Portland Flight Standards District Office 3180 NW 229th Avenue

Hillsboro, Oregon 97124 Telephone: 503–615–3200 FAX 503–615–3300

WASHINGTON

Seattle FSD0 1601 Lind Ave. S. W. Renton, WA 98057

Telephone: 425-227-2813

Telephone: 509-532-2340

Spokane FSDO Felts Field 6133 E. Rutter Avenue Spokane, WA 99212

systematic flow of air traffic in the major terminal and en route flight environments. Cooperation by all pilots in filing preferred routes will result in fewer traffic delays and will better provide for efficient departure, en route and arrival air

The following lists contain preferred IFR routes for the low altitude stratum and the high altitude stratum. The high

PREFERRED IFR ROUTES

changes during the operational phase of flight, and to aid in the efficient orderly management of the air traffic using federal

airways. The preferred IFR routes which follow are designed to serve the needs of airspace users and to provide for a

A system of preferred routes has been established to guide pilots in planning their route of flight, to minimize route

altitude list is in two sections; the first section showing terminal to terminal routes and the second section showing single direction route segments. Also, on some high altitude routes low altitude airways are included as transition routes.

The following will explain the terms/abbreviations used in the listing:

traffic service

1. Preferred routes beginning/ending with an airway number indicate that the airway essentially overlies the airport and flight are normally cleared directly on the airway. 2. Preferred IFR routes beginning/ending with a fix indicate that aircraft may be routed to/from these fixes via a

Standard Instrument Departure (SID) route, radar vectors (RV), or a Standard Terminal Arrival Route (STAR). 3. Preferred IFR routes for major terminals selected are listed alphabetically under the name of the departure airport. Where several airports are in proximity they are listed under the principal airport and categorized as a metropolitan area;

e.g., New York Metro Area. 4. Preferred IFR routes used in one direction only for selected segments, irrespective of point of departure or

destination, are listed numerically showing the segment fixes and the direction and times effective. 5. Where more than one route is listed the routes have equal priority for use.

6. Official location identifiers are used in the route description for VOR/VORTAC navaids.

7. Intersection names are spelled out.

8. Navaid radial and distance fixes (e.g., ARD201113) have been used in the route description in an expediency and

intersection names will be assigned as soon as routine processing can be accomplished. Navaid radial (no distance stated) may be used to describe a route to intercept a specified airway (e.g., MIV MIV101 V39); another navaid radial (e.g., UIM UIM255 GSW081); or an intersection (e.g., GSW081 FITCH).

9. Where two navaids, an intersection and a navaid, a navaid and a navaid radial and distance point, or any navigable combination of these route descriptions follow in succession, the route is direct.

10. The effective times for the routes are in UTC. During periods of daylight saving time effective times will be one hour earlier than indicated. All states observe daylight saving time except Arizona, Puerto Rico and the Virgin Islands. Pilots

planning flight between the terminals or route segments listed should file for the appropriate preferred IFR route. 11. (90-170 incl) altitude flight level assignment in hundred of feet.

12. The notations "pressurized" and "unpressurized" for certain low altitude preferred routes to Kennedy Airport

indicate the preferred route based on aircraft performance. 13. High Altitude Preferred IFR Routes are in effect during the following time periods unless otherwise noted.

14. Use current SIDs and STARSs for flight planning.

15. For high altitude routes, the portion of the routes contained in brackets [] is suggested but optional. The portion of

the route outside the brackets will likely be required by the facilities involved.

SPECIAL LOW ALTITUDE DIRECTIONAL ROUTES

	D	Effective Times
	Route	(UTC)
Low altitude IFR traffic 13000 feet and below	, ,	
	OLM V165 UBG	1400-0700
Northbound	UBG V165 OLM	1400-0700
Low Altitude IFR traffic 9000 feet and below o	verflying the Seattle, WA Area:	
Southbound/Southwestbound	V165	1400-0700
Northbound	V165	1400-0700
Eastbound	V004 SEA V002	1400-0700
Low Altitude IFR traffic 10000 to 15000 overf	lying the Seattle, WA Area:	
Southbound	V165 V495	1400-0700
Southbound	V023 V165 DIGGN V495	1400-0700
Eastbound	V004 SEA V2	1400-0700
Low Altitude IFR traffic 10000 to 15000 overf	lying the Seattle, WA Area landing in PDX area:	
Southbound	V165 V495 SEA HELNS-STAR	1400-0700
Southbound	V023 V165 DIGGN V495 SEA HELNS-STAR	1400-0700
Low Altitude IFR traffic from the North termina	ting at McMinnville, OR, Aurora State, OR, or Hillsboro,	OR:
Southbound	V165 UBG	1400-0700

PREFERRED IFR ROUTES

Effective

SPECIAL LOW ALTITUDE DIRECTIONAL ROUTES

		Times
Terminals	Route	Times (UTC)
From the Eugene, OR Area: (props and turbop		(0.0,
Northbound	V481 CV0 V495 UBG	1400-070
Southbound	V448 OED	1400-070
	HIGH ALTITUDE	
	<u>-</u> .	Effective Times
Terminals	Route	(UTC)
PORTLAND (PDX)	ISS THE MODALE FINA	1200 060
Burbank (BUR)	J67 LIN J189 AVE FIM	1300-0600 0000-2359
Chicago O'Hare (ORD) Detroit Metro–Wayne Co (DTW)	J16 MCW JVL-STAR ODI J34 BAE MKG POLAR-STAR	0000-233
Houston (HOU)	(Turbojets-non-advanced NAV only) PNH MQP	
Housion (noo)	ELLVR TEXXN-STAR	
	or	
	(Turbojets-GPS or DME/DME-IRU equipped) PNH	
	MQP ELLVR COACH (RNAV)-STAR	
Houston (IAH)	(Non-advanced NAV only) PNH MQP RIICE-STAR	
Houston (IAII)	or	
	(GPS or DME/DME/IRU-equipped) PNH MQP	
	BAZBL (RNAV)-STAR	
Long Beach (LGB)	J67 LIN J189 AVE FIM	1300-060
Los Angeles (LAX)	J67 LIN J189 AVE FIM	1300-060
Ontario (ONT)	J67 LIN J169 AVE FIM	1300-060
Santa Ana (SNA)	J67 LKV J5 EFF PMD	1300-060
SEATTLE BOEING FLD (BFI)	JOT LIN JEGS AVE I IIVI	1000 552
Burbank (BUR)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-060
Long Beach (LGB)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-060
Los Angeles (LAX)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-060
Ontario (ONT)	SEA J5 EHF ZIGGY-STAR	1300-060
Santa Ana (SNA)	SEA J5 LKV J67 LIN J189 AVE FIM	1300-060
SEATTLE/TACOMA (SEA)	32	
Anchorage (ANC)	(RNAV only) SQUIM AKWAY AKHOG LAIRE AKZOO	
-	JOH	
Burbank (BUR)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE	
•	FIM	1300-060
Cleveland Metro Area (CLE) (CGF) (BKL)		
(LNN) (LPR)	BAE J34 GRR HIMEZ-STAR	
Detroit Metro-Wayne Co. (DTW)	J90 HLN J34 BAE MKG POLAR-STAR	
Houston (HOU)	(Turbojets-non-advanced NAV only) PNH MQP	
	ELLVR TEXXN-STAR	
	or	
	(Turbojets-GPS or DME/DME-IRU equipped) PNH	
	MQP ELLVR COACH (RNAV)-STAR	
Houston (IAH)	(Non-advanced NAV only) PNH MQP RIICE-STAR	
	or	
	(GPS or DME/DME/IRU-equipped) PNH MQP	
	BAZBL (RNAV)-STAR	
Kennedy (JFK)	J90 HLN J34 ODI J30 J90 OBK J584 CRL J554	
1664) (2,	JHW J70 LVZ LENDY-STAR	
Long Beach (LGB)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE	
Long Bodon (200)	FIM	1300-060
Los Angeles (LAX)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE	1000
LOS Aligoros (LIVI)	FIM	1300-060
Newark (EWR)	J90 ABR J70 GEP DLL J34 CRL J584 SLT	1000 00.
Newark (LWIN)	FQM-STAR	
Ontario (ONT)	SUMMA-DP SUMMA J5 EHF PMD	1300-060
Santa Ana (SNA)	SUMMA-DP SUMMA J5 LKV J67 LIN J189 AVE	1300-00.
Santa Ana (Siva)	FIM	1300-060
SPOKANE (GEG)	FIIM	1300-00
	(FL240 and above, Turbojets) to join DPR J16	
Chicago O'Hare (ORD)		2200 22
	MCW JVL-STAR	0000–23

authorized. O routes are RNAV routes that require the use of GNSS or DME/DME/IRU RNAV, unless otherwise indicated. Please note

RNAV MEAs will only be published if above FL 180. DME facilities that have been assessed for RNAV operations are listed below. Q routes with no DME facilities listed are limited to GNSS RNAV operations only. Those routes will have an enroute chart note "GNSS REQUIRED". DMF

Route Segment Q1 ELMAA-ERAVE BTG, OLM, HQM, HUH, UBG ERAVE-EASON EASON-EBINY CVO, DSD, OED, BTG, UBG, ONP, EUG, LMT EBINY-ENVIE CVO. OED. EUG. LMT. RBL. ENI. ONP. FJS ENVIE-ETCHY OED, PYE, OAK, LIN, ECA, LMT, RBL, ENI, SAC, FJS

FTCHY-POINT REYES

BOILE-HEDVI

HEDVI-HOBOL HOBOL-ITUCO

ITUCO-NEWMAN

FEPOT-FAMUK

FAMUK-FRFLY

FRFLY-FINER

FINER-FOWND FOWND-POINT REYES

BOILE-HEDVI

HEDVI-SCOLE

SCOLE-SPTFR

SPTFR-ZEBOL ZEBOL-SKTTR

SKTTR-EL PASO

HAROB-HISKU

HISKU-HARPR

HARPR-HOMEG

HOMEG-HUPTU HUPTU-STIKM

JINMO-JOGEN

IOGEN-IUNEI

JUNEJ-JAGWA

JAGWA-AVENAL

SUMMA-SMIGE

SMIGE-SUNBE

SUNBE-REBRG REBRG-DERBB

PAAGE-PAWLI

PAWLI-PITVE

PITVE-PUSHH PUSHH-LOS ANGELES

All segments

All segments

PLESS-NASHVILLE

CORONA-HONDS HONDS-UNNOS

UNNOS-FUSCO

GUSTI-OYSTY

OYSTY-ACMES ACMES-CATLN

FUSCO-JUNCTION

JONEZ-RAZORBACK

FORT SMITH-RAZORBACK OKM, RZC, EOS, TUL

02

03

05

Q7

09

Q11

013

015

019

Q20

021

Q22

023

BTG, OLM, HQM, HUH, LTJ, CVO, DSD, OED, UBG, ONP, EUG

EPH, MWH

OED, SEA

None: GNSS required None; GNSS required

CNX, INK, CME, TXO, TCC

GNSS and DME/DME/IRU RNAV operations are authorized along Q routes at FL 180 and above. GNSS and DME/DME/IRU

this volume's area of coverage.

and South Central A/FD volumes. O routes listed in this A/FD volume have at least part of one of their leg segments within

that this section does not apply to Q routes in the Gulf of Mexico. Gulf of Mexico Q routes are explained in the Southeast

LIN. ECA. RBL. ENI. SAC. OAK

TFD, GBN, BLH, PXR, TUS, CIE, SSO

EWM, TFD, PXR, CIE, SSO, TUS, TCS

Q-ROUTES

BZA, GBN, BLH, EED, PXR, IPL, TFD, DRK, TUS

HEC, PDZ, OCN, PMD, LAX, RZS, IPL, TRM, PKE, BLH, EED, BZA, GBN, PXR

IMB, UBG, EUG, IMB, RBL, LMT, FMG, SAC, OED, CVO, LKV, DSD, BTG RBL, LMT, FMG, SAC, ECA, MVA, CZQ, OAK, EHF, PMD, LKV, LIN, MOD, AVE, OED,

EUG, FMG, SAC, IMB, LKV, OED, DSD, RBL, LMT, CVO, REO FMG, SAC, LIN, SWR, MOD, OAL, RBL, LKV, LMT, MVA, CZQ

EPH, UBG, CVO, EUG, HQM, YKM, OLM, PDT, BTG, ONP, IMB, LTJ, DSD, LKV,

SAC, ECA, FMG, LIN, OAL, MOD, EHF, LAX, PMD, PDZ, HEC, OCN, CZQ, AVE, RZS

CZO, PMD, EHF, LAX, RZS, AVE, MOD, ECA

ENL, GOO, PXV, BNA, IIU, FAM, BWG, CSX CNX, ABQ, ACH, ONM, TXO, LVS, TCC, CME

ABI, CWK, CSI, INK, LZZ, JCT, SJT, STV, FST

AEX, DAS, MCB, LLA, BTR, LCH, HRV, LFT, LEV

RQR, GCV, MCB, BTR, PCU, GPT, HRV, LEV, SJI

SJI, MGM, MCB, BFM, GPT, GCV, HRV, CEW, MVC, PCU, MEI

FST, ACH, INK, CME, SJT, TXO, TCC

BYP, EOS, TUL, TXK, ADM, RZC, OKM

NW. 23 SEP 2010 to 18 NOV 2010

239

OLM, TOU, HOM, CVO, BTG, DSD, LTJ, UBG, ONP, EUG BTG, DSD, OED, CVO, EUG, ONP, UBG, RBL, LMT

OED, EUG, RBL, LMT, ENI, CVO, FJS OED, PYE, ECA, LIN, OAK, ENI, RBL, LMT, SAC, FJS LIN. ECA. PYE. RBL. SAC. ENI HEC, PDZ, OCN, PMD, LAX, RZS, IPL, TRM, PKE, BLH, EED, BZA, GBN, PXR EED. BLH. BZA. GBN. TRM. IPL. TFD

EED, BLH, BZA, GBN, TRM, IPL, TFD

EED, IPL, BZA, GBN, TFD, PXR, BLH PXR, BLH, BZA, GBN, TFD, TUS, SSO, CIE, SVC, TCS

EWM, CUS, SVC, TCS, SSO, CIE, ELP, DMN, CME

OLM, ONP, CVO, EUG, HQM, UBG, BTG, LTJ, DSD, HUH

ONP, CVO, EUG, LTJ, DSD, UBG, BTG, RBL, OED, LMT, FJS, LKV CVO, EUG, OED, RBL, LMT, ENI, FJS, LKV SAC, PYE, LIN, OAK, ECA, LMT, RBL, ENI, OED, FJS OAK, ECA, PYE, LIN, SAC, ENI, RBL

CVO, HQM, LTJ, UBG, BTG, ONP, IMB, EUG, OLM, DSD, YKM, PDT, SEA LTJ, IMB, UBG, EUG, CVO, RBL, LMT, FMG, DSD, LKV, OED, BTG

RBL, LMT, FMG, LIN, SAC, ECA, ENI, MOD, SWR, OAK, LKV, CZQ, AVE, SNS OAK, MOD, ECA, EHF, PRB, AVE, SNS, CZQ OLM, UBG, SEA, YKM, BTG, ONP, IMB, HQM, PDT, EUG, LTJ, CVO, DSD, OED, MEEOW-WALNUT RIDGE ELD, MEM, LIT, FAM, RZC

AEX. DAS. LCH. MCB. LFT. BTR

WALNUT RIDGE-WLSUN MEM, STL, BWG, PXV, ENL, FAM, ARG, BNA, CSX, TTH

BWG, PXV, ENL, BNA, TTH

WALNUT RIDGE-DEVAC LIT, JKS,GQO, MEM, BNA, FAM, ARG, DYR, VUZ, RMG

OKM, SGF, RZC, EOS, TUL

EIC, LIT, ELD, OKM, TXK

ARG, LIT, FAM, SGF, MEM

PXV, TTH, BWG, ENL

MEM. ARG. LIT. JAN. ELD. SOS

MEM, PXV, BNA, BWG, ARG, ENL

GCV, MCB, JYU, PCU, MEI, HRV, CEW, SJI

ARG, LIT, FAM, ELD, SGF, RZC, MEM, TXK

ARG, CSX, FAM, PXV, ENL, MEM, STL, BWG, TTH, BNA

AEX. LEV. MCB. LCH. ROR. HRV. BTR. GCV. MCB. PCU. SJI. LBY

LAKE CHARLES-BATON

BATON ROUGE-IRUBE IRUBE-PAYTN

WLSUN-POCKET CITY

FORT SMITH-ZALDA

ESTEE-POCKET CITY

HARES-MEMPHIS

MEMPHIS-SIDAE SIDAE-POCKET CITY

GRAZN-PYRMD

PYRMD-HAKAT

HAKAT-ESTEE

ROUGE

024

Q25

Q26

Q27

Q28

Q29

Q31 SIDDN-VULCAN GLH, MEM, VUZ, JAN, JYU, MEI, MGM, SQS, RMG VIDART-JODOX JODOX-MARVELL SQS, LIT, TSK SQS, SWB, ELD, LIT, TSK SWB, ARG, MEM, SQS LIT, SWB, TSK, SWB, ELD, SQS SWB, SWB, SQS, PXV, BNA, GQO, SWB, SWB, SQS, PXV, BNA, SQO, SWB, SWB, SQS, PXV, BNA, SQD, SWB, SWB, SWB, SWB, SWB, SWB, SWB, SWB	
JODOX-MARVELL SQS, LIT, ELD, MEM, ARG	
MARVELL-TIIDE	
TIIDE-POCKET CITY BWG, PXV, ENL, TTH	
Q32 EL DORADO-GAGLE GAGLE-CRAMM ARX, JAN, MEM, SQS, SWB, ELD, LIT, TXK JAN, SQS, MEM, ARG, VUZ, BNA, LIT CRAMM-NASHVILLE NASHVILLE-SWAPP BWG, IIU, PXV, VXV, BNA, GQO Q33 DHART-LITTLE ROCK LITTLE ROCK-PROWL ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL LITTLE ROCK-PROWL LIT, SWB, TXK, BYP, EIC, ELD, SQS LITTLE ROCK-PROWL LIT, SWB, TXK, BYP, EIC, ELD, SQS MATIE-MEMPHIS LIT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS,PXV, BNA, GQO, IIU, VXV Q35 KIMBERLY-NEERO LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORKR CDC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD Q36 RAZORBACK-TWITS RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT WITS-DEPC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX JAN, JYU, MEI, SQS, WIZ AEX, SWB, LCH, JAN, HEZ, MCB Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOMS-WINAP JAN, JYU, MEI, SQS, MEI, MCB WINAP-MISLE	
GAGLE-CRAMM	
CRAMM-MASHVILLE BWG, MEM, VUZ, BNA, GQO NASHVILLE-SWAPP BWG, IIU, PXV, VXV, BNA, GQO DARRT-LITTLE ROCK AEX, ELD, LIT, TXK, SWB, ARG, MEM, SQS LITTLE ROCK-PROWL ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL LIT, SWB, TXK, BYP, EIC, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV LT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV LT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV LT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV LT, ARG, MEM, MILL, SQB, PXV, BNA, GQO, IIU, VXV LT, ARG, MEM, SQB, SV, MEM, SQD, IIU, VXV LT, ARG, MEM, SQD, SWD, BAM, REO, BVL, IILC, DTA, ELY, CDC, MLF, BCE CORKR-DRAKE TBC, BCE, BLD, DK, PGS, FLG, GCN, INW, TFD CROWN, TWO CORKR-DRAKE TBC, BCE, BLD, DKK, PGS, FLG, GCN, INW, TFD CROWN, TWO CORKR-DRAKE TBC, BCE, BLD, DKK, PGS, FLG, GCN, INW, TFD CROWN, TWO CORKR-DRAKE TBC, BCE, BLD, DK, PGS, FLG, GCN, INW, TFD CROWN, TWO CORKR-DRAKE TBC, BCE, BLD, DK, PGS, FLG, GCN, INW, TFD CROWN, TWO CORKR-DRAKE TBC, BCD, BMM, TRO, BVL, IILL, DTA, ELY, CDC, MLF, BCE CROWN, TWO CORKR-DRAKE TBC, BCD, BMM, TRO, BVL, IILL, DTA, ELY, CDC, MLF, BCE CROWN, TWO CORKR-DRAKE TBC, BCD, END, TRANS-DRAKE CROWN, TWO CORKR-DRAKE CROWN, TWO CORKR-DRA	
Q33 DHART-LITTLE ROCK LITTLE ROCK AEX, ELD, LIT, TXK, SWB, ARG, MEM, SQS LITTLE ROCK-PROWL ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL Q34 TEXARKANA-MATIE MATIE-MEMPHIS MEMPHIS-SWAPP LIT, SWB, TXK, BYP, EIC, ELD, SQS MEMPHIS-SWAPP LIT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV Q35 KIMBERLY-NEERO NIERO-WINEN LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORRR CORKR-DRAKE TDC, BCE, BLD, ILC, MLF, TBC, PGS, IRW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, IRW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, IRW, DRK CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD Q36 RAZORBACK-TWITS RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU DEPEC-NASHVILLE GQO, BWG, BNA, GQO, PXV, IIU NSHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU NSHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, AEX LAREY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP	
Q33 DHART-LITTLE ROCK LITTLE ROCK—PROWL ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL Q34 TEXARKANA—MATIE MATIE—MEMPHIS MATIE—MEMPHIS MEMPHIS—SWAPP LIT, SWB, TXK, BYP, EIC, ELD, SQS MEMPHIS—SWAPP BWG, ARG, MEM, MKL, SQS,PXV, BNA, GQO, IIU, VXV Q35 KIMBERLY-NEERO NEERO-WINEN WINEN-CORKR LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORKR CDC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORK, BWG, BNA, BWG, FAM, ARG, PXV, IIU DRK DCR DCR MLF, BCE MLF, B	
LITTLE ROCK—PROWL ELD, SGF, FAM, LIT, ARG, MEM, RZC, CSX, STL	
Q34 TEXARKANA-MATIE MATIE-MEMPHIS MATIE-MEMPHIS MEMPHIS-SWAPP LIT, SWB, TXK, BYP, EIC, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, ELD, SQS, PXV, BNA, GQO, IIU, VXV Q35 KIMBERLY-NEERO LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORKR CDC, BCE, BLD, DRK, PGS, FLG, GCN, INW, FFD CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, FFD Q36 RAZORBACK-TWITS RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU DEPEC-NASHVILLE GQO, BWG, BNA, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, QQO, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU VARY-BESOM JAN, JYU, MEI, SQS, VUZ VARY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEII, VUZ, JYU Q42 KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, FWA, GSH, IRK <	
MATIE-MEMPHIS LIT, ARG, MEM, ELD, SQS MEMPHIS-SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV RIMBERLY-NEERO LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORKR CDC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, LIT TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, QQO, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, QQO, PXV, IIU DAS, LCH, SWB, IAH, LFK, HUB, AEX LAREY-BESOM JAN, JVJ, MEI, SQS, VUZ LAREY-BESOM JAN, JVJ, MEI, SQS, VUZ LAREY-BESOM JAN, JVJ, MEI, SQS, VUZ WIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE-MUNCIE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, FLM, PVY, OXE, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBY, HNK HUO, SIE ASAT EXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS EIG, CNL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLEYR-SWABE SWABE-ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN STORE, ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN STORE, ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN STORE, ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN STORE,	
MEMPHIS—SWAPP BWG, ARG, MEM, MKL, SQS, PXV, BNA, GQO, IIU, VXV	
Q35 KIMBERLY-NEERO NEERO-WINEN LTJ, PDT, DSD, IMB, LKV, BOI, REO, BAM, SDO NEERO-WINEN BQU, SDO, BAM, REO, BVL, ILC, DTA, ELY, CDC, MLF, BCE WINEN-CORKR CDC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD Q36 RAZORBACK-TWITS RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU DEPEC-NASHVILLE GQO, BWG, BNA, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX LAREY-BESOM JAN, MCB, SWB, AEX LAREY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, ENL, US, STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, ENL, US, SPI, SBPF, OSK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, HIM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB Q104 H	
NEERO-WINEN	
WINEN-CORKR CDC, BCE, BLD, ILC, MLF, TBC, PGS, INW, DRK CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD RAZORBACK-TWITS RZC, MEM, SGF, BUM, TUL, EOS, FAM, ARG, LIT TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, QO, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX INCIN-LAREY JAN, MCB, SWB, AEX LAREY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E DANVILLE-MUNCIE GJJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, MUNCIE-HIDON FLM, VHP, GSH, TTH, GJJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE BRNAN-MAALS ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PIE, ORL, OMN, SRQ, THY, LAL, CRG, SZW, PZD PLYER-SWABE PIE, ORL, OMN, SRQ, PHK, PIE ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
CORKR-DRAKE TBC, BCE, BLD, DRK, PGS, FLG, GCN, INW, TFD	
Q36 RAZORBACK-TWITS TWITS—DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU DEPEC-NASHVILLE NASHVILLE-SWAPP QXV, BWG, BNA, PXV, IIU Q38 ROKIT—INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX INCIN-LAREY LAREY—BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA—DOOMS DOOMS—WINAP JAN, SQS, MEI, MCB WINAP—MISLE MEI, VUZ, JYU Q42 KIRKSVILLE—STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK—DANVILLE BNL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE—MUNCIE MUNCIE—HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON—BUBAA AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO—BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN—MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE—EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS—ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 PLYER—SWABE PLE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER—SWABE SWABE—ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
TWITS-DEPEC MEM, GQO, BNA, BWG, FAM, ARG, PXV, IIU	
DEPEC-NASHVILLE GQQ, BWG, BNA, PXV, IIU NASHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX INCIN-LAREY JAN, MCB, SWB, AEX LAREY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE-MUNCIE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, MUNCIE-HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE BRNAN-MAALS ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, CSN, EMI, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE PIE, ORL, OMN, SRQ, PHK, PIE SWABE-ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
Q38 NASHVILLE-SWAPP VXV, BWG, BNA, GQO, PXV, IIU Q38 ROKIT-INCIN DAS, LCH, SWB, IAH, LFK, HUB, AEX INCIN-LAREY JAN, MCB, SWB, AEX LAREY-BESOM JAN, JYU, MEI, SQS, VUZ Q40 ALEXANDRIA-DOOMS AEX, SWB, LCH, JAN, HEZ, MCB DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE-MUNCIE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, MUNCIE-HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HVO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK <t< th=""><td></td></t<>	
Q38 ROKIT-INCIN INCIN-LAREY DAS, LCH, SWB, IAH, LFK, HUB, AEX JAN, MCB, SWB, AEX LAREY-BESOM JAN, MCB, SWB, AEX JAN, MCB, SWB, SVD, VUZ Q40 ALEXANDRIA-DOOMS DOOMS-WINAP WINAP-MISLE AEX, SWB, LCH, JAN, HEZ, MCB JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK STRUK-DANVILLE CDI, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE STRUK-DANVILLE DANVILLE-MUNCIE MUNCIE-HIDON GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, DJB, CXR, HNN, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE SUZIE-EAST TEXAS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK Q104 DEFUN-HEVVN HEVVN-PLYER PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE SWABE-ST PETERSBURG PIE, ORL, OMN, SRQ, THY, LAL, CRG, SZW, PZD PLYER-SWABE SWABE-ST PETERSBURG PIK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
INCIN-LAREY	
Q40 ALEXANDRIA-DOOMS DOOMS-WINAP WINAP-MISLE WIRKSVILLE-STRUK DANVILLE-MUNCIE MUNCIE-HIDON HIDON-BUBAA BUBAA-PSYKO PSYKO-BRNAN PSYKO-BRNAN BRINAN-MAALS BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS SUZIE-EAST TEXAS BRNAN-MAALS BRN, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE BRNAN-MAALS BRNAN-MAALS BRN, SLT, CSN, EWC, PSB, ETG, SAX, HUO, CYN BRAST TEXAS-ELIOT BRNAN-MAALS BRNAN-MAALS BRN, SRN, SLT, HNK, SIE, RBV, SAX, HUO, CYN BRAST TEXAS-BRNAN BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS BRN, SBN, SLT, HNK, SIE, RBV, SAX, HUO, CYN BRAST TEXAS-BRNAN BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS BRNAN-MAALS BRN, SBN, SLT, HNK, SIE, RBV, SAX, HUO, CYN BRNAN-MAALS BRNAN-MA	
Q40 ALEXANDRIA-DOOMS DOOMS-WINAP WINAP-MISLE AEX, SWB, LCH, JAN, HEZ, MCB JOS, MEI, MCB WINAP-MISLE AEX, SWB, LCH, JAN, HEZ, MCB JAN, SQS, MEI, MCB MEI, VUZ, JYU Q42 KIRKSVILLE-STRUK KIRKSVILLE-STRUK STRUK-DANVILLE CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE DANVILLE-MUNCIE BOBK, GIJ, FWA, GSH, IRK MUNCIE-HIDON ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, ED, GSH, FWA, JOT, TTH, OXI, FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA BUBAA-PSYKO PSYKO-BRNAN AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS BUBAA-PSYKO PSWABE-ST EXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, SLT, HNK HEVVN-PLYER PLYER-SWABE SWABE-ST PETERSBURG JFK, EMI, CSN, SAX, JFK, PSB, HNK PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
DOOMS-WINAP JAN, SQS, MEI, MCB WINAP-MISLE MEI, VUZ, JYU	
Q42 WINAP-MISLE MEI, VÜZ, JYU KIRKSVILLE-STRUK CID, IOW, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE-MUNCIE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, MUNCIE-HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, DJB, CXR, HNN, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABEPIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABEPIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABEPIE, ORL, OMN, SRQ, PHK, PIE SWABE-ST PETERSBURGPHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
Q42 KIRKSVILLE—STRUK STRUK—DANVILLE ENL, 10W, UIN, LMN, IRK, BDF, STL, DEC, ENL, CSX STRUK—DANVILLE DANVILLE—MUNCIE GIJ, SPI, BDF, DBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, EDEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, EDEC, GSH, FWA, JOT, TTH, OXI, MUNCIE—HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB, AIR, HVQ, CXR, EWC HIDON—BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBA—PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO—BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN—MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE—EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS—ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 Q104 DEFUN—HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER—SWABE SWABE—ST PETERSBURG ST PETERSBURG—PIK, PBI, SRQ, PHK, PIE PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
STRUK-DANVILLE ENL, IOW, UIN, BDF, DEC, STL, CSX, SPI, TTH, BVT, JOT, VHP, OXI, E OBK, GIJ, FWA, GSH, IRK DANVILLE-MUNCIE GIJ, SPI, BDF, OBK, OKK, VHP, BVT, DEC, GSH, FWA, JOT, TTH, OXI, FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS EFG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS FK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE SWABE-ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
OBK, GJJ, FWA, GSH, IRK DANVILLE-MUNCIE MUNCIE-HIDON FLM, VHP, GSH, TTH, GJJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE SWABE-ST PETERSBURG PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	VI ENI OWY
DANVILLE-MUNCIE MUNCIE-HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS EAST TEXAS EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PIK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	XI, ENL, UKK,
MUNCIE-HIDON FLM, VHP, GSH, TTH, GIJ, OKK, FWA, ROD, OXI, CRL, GSH, APE, DJB AIR, HVQ, CXR, EWC HIDON-BUBAA BUBAA-PSYKO AIR, APE, HNN, CXR, HVQ, EWC, DJB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	OVI DOD FIXA
AIR, HVQ, CXR, EWC HIDON-BUBAA AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
HIDON-BUBAA BUBAA-PSYKO AIR, APE, HNN, CXR, HVQ, EWC, DJB BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK PEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	אנט, MNN, HNN
BUBAA-PSYKO AIR, APE, DJB, CXR, HNN, EWC, SLT, CSN, JHW, ETG, PSB PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK PEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PHK, PIE PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
PSYKO-BRNAN PSB, JHW, EWC, AIR, ETG, CSN, EMI, SLT BRNAN-MAALS EMI, SLT, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
BRNAN-MAALS MAALS-SUZIE ETG, EMI, CSN, EWC, PSB, ETG, SAX, RBV, HNK, HUO, SIE BERN, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS EAST TEXAS—ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- BRN, SRC, TAY, LAL, CRG, SZW, PZD PHK, PBI, SRQ, PHK, PIE PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
MAALS-SUZIE ETG, EMI, CSN, HUO, SIE, JFK, PSB, SLT, HNK SUZIE-EAST TEXAS JFK, EMI, PSB, SLT, HNK, SIE, RBV, SAX, HUO, CYN EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG HEVVN-PLYER PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE PIE, ORL, OMN, SRQ, TAY SWABE-ST PETERSBURG ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
SUZIE-EAST TEXAS EAST TEXAS-ELIOT DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG HEVVN-PLYER PLYER-SWABE SWABE-ST PETERSBURG ST PETERSBURG- PLYER-SWABE PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
Q104 EAST TEXAS-ELIOT HUO, RBV, EMI, CYN, SAX, JFK, PSB, HNK PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG HEVVN-PLYER PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE PIE, ORL, OMN, SRQ, TAY SWABE-ST PETERSBURG LAL, ORL, OMN, SRQ, PHK, PIE ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
Q104 DEFUN-HEVVN PIE, PZD, CRG, SZW, TAY, JYU, CEW, MGM, OTK, CRG HEVVN-PLYER PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE PIERSBURG ST PETERSBURG- LAL, ORL, OMN, SRQ, PHK, PIE PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
HEVVN-PLYER PIE, ORL, OMN, SRQ, TAY, LAL, CRG, SZW, PZD PLYER-SWABE PIE, ORL, OMN, SRQ, TAY SWABE-ST PETERSBURG LAL, ORL, OMN, SRQ, PHK, PIE ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
PLYER-SWABE PIE, ORL, OMN, SRQ, TAY SWABE-ST PETERSBURG LAL, ORL, OMN, SRQ, PHK, PIE ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
SWABE-ST PETERSBURG LAL, ORL, OMN, SRQ, PHK, PIE ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
ST PETERSBURG- PHK, PBI, SRQ, PIE, VRB, ORL, FLL, LAL, OMN	
OTT NESS	
NW. 23 SEP 2010 to 18 NOV 2010	

OMN, PIE, PBI, SRQ, ORL, LAL

Q-ROUTES

MGM, PZD, OTK, JYU, SZW, CEW, SJI

SRQ, VRB, PHK, PIE, LAL, VKZ, ORL, PBI

OMN, AMG, CRG, SZW, PIE, TAY, PZD, OTK

PIE, OTK, CRG, OMN, LAL, SZW, SRQ, ORL, VRB

OMN, AMG, CRG, TAY, LAL, PZD, SZW, OTK, MCN

DLH, GEP, BRD, MCW, MSP, ASP, TVC, GRB, RWF FGT, BRD, MCW, GEP, ABR, FAR, DLH, ODI, RWF, FSD

MSP, MNM, ASP, TVC, GEP, RWF, BRD

SAW, GRB, BRD

SSM, TVC, ASP, SAW, GRB

LAL, ORL, OMN, PHK, PIE, CRG, VRB, TAY, OTK, PZD, AMG, SZW

SRQ, VRB, ORL, PHK, TAY, PIE, OMN, OTK, LAL, CRG, SZW, AMG

SRO, VRB, ORL, PHK, TAY, PIE, OMN, OTK, LAL, CRG, SZW, AMG

FGT, DLH, ODI, MCW, ABR, FAR, MSP, GEP, RWF, FSD, BRD

ODI, GEP, DLH, FGT, RWF, FAR, AXN, FSD, ABR, DLL, BRD

SSM, RHI, DLL, DLH, GEP, FGT, TVC, SAW, GRB, BRD, ODI

GEP, DLH, FGT, RWF, FAR, AXN, FSD, ABR, BRD, ODI, GRB

ECK, FNT, APN, SSM, GRR, MBL, SAW, BAE, MNM, DLL, AUW, ODI, STE, FGT, EAU

SSM, ECK, APN, GLR, PLN, ISO, MNM, DLL, RHI, DLH, GEP, FGT, ODI, ASP, TVC,

SSM, FNT, ECK, APN, SAW, GRB, BAE, DLL, AUW, ODI, FGT, DLH, EAU, MCW,

CEW. JYU. MGM. SZW. RRS. PZD. MAI. OTK. GEF. MGR. TAY. AMG. CRG

AMG, PZD, TAY, CRG, SZW, MGM, OTK, JYU, CEW, SJI

VKZ, VRB, PHK, PIE, LAL, SRQ, ORL, OMN, PBI, DHP

TAY, MCN, PZD, CRG, OTK, SZW, AMG, MCN, ATL, MGM

JYU, PZD, CEW, SZW, MGM, OTK, TAY, AMG, PIE, CRG

DME

Route

0106

0108

0110

0112

Q116

0118

Q501

0502

Q504

Q505

Segment

SMELZ-BULZI

BULZI-DRABK

DRABK-GADAY

GADAY-HKUNA

THNDR-JAYMC

JAYMC-RVERO

RVERO-KPASA

KPASA-BRUTS

BRUTS-GULFR GULFR-FEONA

DEFUN-HEVVN

HEVVN-INPIN

GULFR-CEEYA

KPASA-BRUTS

BRUTS-LENIE

VIXIS-GOPHER

GOPHER-SOBME

KENPA-GOPHER

GOPHER-SOBME

NOTAP-CESNA

CESNA-HEMDI

OMAGA-RIMBE

RIMBE-CESNA

CESNA-HEMDI

241

preferred IFR routes.

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING

RNAV Routing Pitch and Catch Points

The purpose of this section of the Special High Altitude Routes is to present user routing options for flight within the initial HAR Phase I expansion airspace. Users are able to fly user-preferred routes, referred to as non-restrictive routing (NRR), between specific fixes described by pitch (entry into) and catch (exit out of) fixes in the HAR airspace. Pitch points indicate an end of departure procedures, preferred IFR routings, or other established routing programs where a flight can begin a segment of NRR. The catch point indicates where a flight ends a segment of NRR and joins published arrival procedures,

preferred IFR routing, or other established routing programs. The HAR Phase I expansion airspace is defined as that airspace at and above FL 350 in fourteen of the western and southern Air Route Traffic Control Centers (ARTCCs). The airspace includes Minneapolis (ZMP), Chicago (ZAU), Kansas City

(ZKC), Denver (ZDV), Salt Lake City (ZLC), Oakland (ZOA), Seattle Centers (ZSE), Los Angeles (ZLA), Albuquerque (ZAB), Fort Worth (ZFW), Memphis (ZME), and Houston (ZHU), Jacksonville (ZJX) and Miami (ZMA) are included for east-west routes

To develop a flight plan, select pitch and catch points based upon your desired route across the Phase I airspace. Filing requirements to pitch points, and from catch points, remain unchanged from current procedures. For the portion of the route between the pitch and catch points, non-restrictive routing is permitted. Where pitch points for a specific airport are not identified, aircraft should file an appropriate departure procedure (DP), or any other user preferred routing prior to the NRR portion of their routing. Where catch points for a specific airport are not

identified aircraft should file, after the NRR portion of their routing, an appropriate arrival procedure or other user preferred routing to their destination.

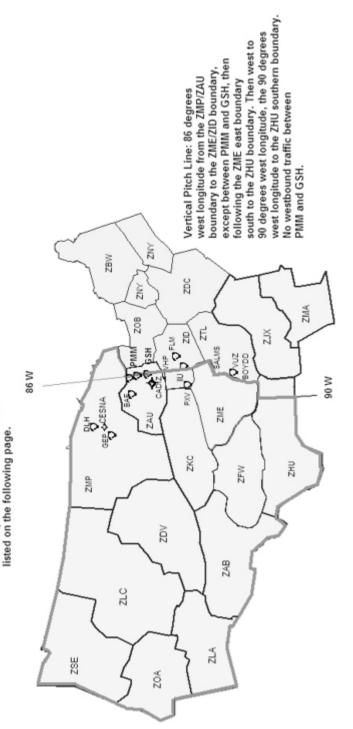
Additionally, information concerning the location and schedule of Special Use Airspace (SUA) and Air Traffic Control Assigned Airspace (ATCAA) can be found on the Web Site: http://sua.faa.gov/sua/Welcome.do. ATCAA refers to airspace in the high altitude structure supporting military and other special operations. Users are encouraged to file around these

In conjunction with the HAR program RNAV routes have been established to provide for a systematic flow of air traffic in specific portions of the enroute flight environment. The designator for these RNAV routes begin with the letter Q, for example, Q-501. Where those routes aid in the efficient orderly management of air traffic they will be published as

areas when they are scheduled to be active, thereby avoiding unplanned reroutes around them.

HAR expansion airspace may pitch vertical pitch line, or at the fixes

Except as noted, flights entering at the airspace boundary, at the



23 SEP 2010 to 18

244 HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING

HAR Special High Altitude Pitch (entry) Points for Nonrestrictive Routing for Airports

Located Outside HAR Phase I Expansion Airspace

HAR Phase I Expansion Airspace

Westbound traffic originating outside of HAR airspace entering ZMP, ZAU, ZKC and ZME can begin non-restrictive routing

over any of the following pitch points (listed from north to south): DLH, CESNA, GEP, BAE, MKG, GRR, PMM, GSH, CADIZ, FWA, VHP, FLM, IIU, PXV, SGF, RZC, BNA, SALMS, VUZ, BOYDD,

MIE.

Traffic originating outside of HAR airspace may also begin Nonrestrictive Routing upon crossing the pitch line depicted on the associated graphic. HAR Special High Altitude Pitch Points for Airports Located Within (below)

This section lists pitch points for airports within the HAR Phase I expansion airspace. ABQ, GUP, HANOS or ZUN

Albuquerque

ABI, FUZ, JCT, MQP, NAVYS, SJT or TNV Austin

Boca Raton. FL TBIRD KPASA Q118 LENIE

TBIRD KPASA Q116 CEEYA

TBIRD KPASA Q110 FEONA

TBIRD SMELZ Q106 BULZI

TBIRD SMELZ Q106 GADAY

Burbank includes GMN. MARKS Santa Monica

and Van Nuys DAG LAS or HEC EED

or PMD BLH

Chicago Terminal Area IOW, PLL275065, MZV or BAE Dallas/Fort Worth Terminal Area ABI, LBB, GTH, CDS, MRMAC, IRW, TUL, MLC, TXK

ELD, SWB or

Aircraft destined the Chicago terminal area Except MDW

EAKER MIDEE BDF BRADFORD-STAR

MLC J105 SGF BDF BRADFORD-STAR PUB, DVC, DBL, RLG, EKR, LAR, MBW, CYS, BFF, HANKI, NATTI, ASHBY, BELKE,

Denver Terminal Area CABET, WEEDS, OR BINKE Fort Lauderdale (or) THNDR KPASA 0118 LENIE Fort Lauderdale Executive

THNDR KPASA Q116 CEEYA THNDR KPASA Q110 FEONA

THNDR SMELZ Q106 GADAY

THNDR SMELZ 0106 BULZI LIT, ELD, MLC, JCT

Houston Bush Aircraft destined Atlanta Terminal Area LCH 024 PAYTN HONIE-RNAV STAR

NW. 23 SEP 2010 to 18 NOV 2010

Aircraft joining J37 to the northeast, GUSTI SID GUSTI Q22 CATLN

Aircraft joining J42 to the northeast, EL DORADO SID ELD Q32 J42

Aircraft joining J42 to the northeast, EL DORADO SID ELD Q32 J42

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING LIT, ELD, MLC, JCT,

TIFTO, CATTS or KENTN

GMN SNS, EHF, LANDO

BNA, HAAWK, SALMS or SQS

WINCO KPASA Q118 LENIE WINCO KPASA Q116 CEEYA

WINCO KPASA Q110 FEONA WINCO SMELZ Q106 GADAY

DOBNE, MOSBI, NICLE, TRALR or ZELOT

TAY

or DAG LAS or TRM EED TRM PKE

or TRM PKE or TRM EED

or

GMN, RZS

Houston Hobby

Jacksonville. FL

Ontario

Las Vegas

Memphis

Kansas City Terminal Area

Los Angeles, includes

Long Beach includes

Miami Terminal Area

Orange County

	WINCO SMELZ Q106 BULZI
Milwaukee	GREAS
Minneapolis Terminal Area*	ONL, ABR, FAR, OBH, OVR, FOD
New Orleans Terminal Area	AEX, MEI, SQS, KAPLN
Orlando Terminal Area	WEBBS BRUTS Q118 LENIE or WEBBS GULFR Q116 CEEYA or WEBBS BULZI Q106 GADAY or WEBBS FEONA or WEBBS BULZI
Palm Beach, FL	TBIRD KPASA Q118 LENIE or TBIRD KPASA Q116 CEEYA or TBIRD KPASA Q110 FEONA or TBIRD SMELZ Q106 BULZI or TBIRD SMELZ Q106 GADAY
Palm Springs	TRM JOTNU BLD or TRM EED or TRM PKE
Phoenix	CHILY, CIE, CULTS, RSK, DOVEE, GCN, MESSI, SJN, DRYHT or MOHAK
Portland, OR	PDT, TIMEE
	IW. 23 SEP 2010 to 18 NOV 2010

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING Salt Lake City HVE, DTA, MLF, BCE, OAL, MTU, BVL, OCS, TWF, DBS, BPI

> TCH J56 CHE TCH J173 EKR

FUZ. SJT. MOP. ABI

Saint Louis VIH, MAP, MYERZ, MCM HLV MCI

or

TRM JOTNU BLD

GALLI or INSLO

Aircraft North of LFK, LFK Aircraft South of HUB, ELA Aircraft South of LFK and North of HUB LCH

San Diego TRM FFD or TRM PKE

San Antonio Terminal Area

246

San Francisco Bay Area Oakland San Jose Seattle Southwest Florida Airports

(RSW/FMY)

Atlanta Terminal Area

BI UIT

Tampa Terminal Area

Catch Points for Airports Located Outside HAR Phase I Expansion Airspace

*MSP area departures with destinations east of 93 degrees west longitude via preferred IFR routing.

BULZI Q106 GADAY

BRUTS Q118 LENIE GULFR Q116 CEEYA

FEONA, BULZI

MFM

BWG, BWG

MEI HONIE (RNAV)-STAR PATYN HONIE (RNAV)-STAR

NW. 23 SEP 2010 to 18 NOV 2010

JOCKS KPASA Q118 LENIE JOCKS KPASA Q116 CEEYA JOCKS KPASA Q110 FEONA JOCKS SMELZ Q106 GADAY

GALLI, INSLO, HAROL JSICA

GALLI, INSLO, HAROL JSICA

JOCKS SMELZ Q106 BULZI

Aircraft through ZME airspace from ZKC airspace east of FAM, Pless Q19 BNA Aircraft through ZME airspace from ZKC airspace west of FAM, ARG Q26 DEVA

Aircraft through ZME airspace from ZID airspace west of a line from VHP to

Aircraft through ZME airspace from ZID airspace east of a line from VHP to

Aircraft through ZME airspace from ZFW airspace, MEM

This section lists exit points for aircraft destined to specific destinations which are outside the HAR Phase I airspace.

Baltimore-Washington*	GIJ, GEP, FLM, IIU, BAE, VHP, WHETT, BNA or VUZ
Boston*	GEP, CRL, ECK, IIU, BNA or VUZ
Buffalo*	GEP, CRL

GEP, CRL

BNA. VUZ

BNA. PXV

GIJ. VHP. GEP

Hartford Bradley*

Cincinnati Terminal Area

Cleveland Terminal Area*

Indianapolis Terminal Area

New York Kennedy*

New York LaGuardia*

Philadelphia Terminal Area*

Pittsburgh Terminal Area*

Detroit Terminal Area

Detroit Young

Louisville

Newark*

Pontiac Providence

Raleigh-Durham

Teterboro*

White Plains*

Willow Run*

Toronto Terminal Area

Washington Dulles/National*

Q505, Q504, Q502, Q501

Canton-Akron*

Charlotte

Aircraft north of SLC, JOT Aircraft over or south of SLC, ENL

SLC or SFO departures, ENL, JOT OBK BAE MKG POLAR-STAR

VHP FWA or

VHP FWA MIZAR-STAR LAN SPRTN-STAR BIB, SPI, JOT ENL, MEM GEP, VHP, FLM, IIU, BNA, VUZ

IOW GIJ J554 CRL J584 SLT FQM

GEP, VHP, FLM, IIU, BNA, VUZ

DBQ J94 PMM J70 LVZ LENDY-STAR GIJ, GEP, VHP, BAE, FLM, IIU, BNA, VUZ GIJ, GEP, VHP, BAE, WHETT, BNA, VUZ VHP, GIJ, BAE, GEP

LFD, LAN, VHP, FWA, GEP JHW, HEMDI, CESNA, GEP, GRB, TVC, ASP, VHP, IIU, BNA, VUZ FLM, IIU, BNA, VUZ ECK, SVM, SSM, GEP

GEP, VHP, CRL, BNA, VUZ GIJ, GEP, FLM, IIU, BAE, VHP, WHETT, BNA, VUZ GEP. VHP. CRL. FLM. IIU. BNA. VUZ LAN, LFD, VHP, FWA, GEP *Eastbound aircraft over flying ZMP center airspace entering Toronto center airspace, file direct SSM or via J63, J522

Entering ZAU or ZOB airspace from north of DPR J16 MCW, GEP Entering ZAU or ZOB airspace from or south of DPR J16 MCW, CRL.

NW. 23 SEP 2010 to 18 NOV 2010

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING Catch Points for Airports Located Within (below) HAR Phase I Expansion Airspace

248

Boca Raton, FL

Chicago Midway

Chicago O'Hare Terminal Area

Dallas/Fort Worth Terminal Area

This section lists exit points for aircraft destined to airports which are below HAR Phase I airspace.

Albuquerque Terminal Area CURLY CURLY-STAR

ESPAN FRIHO-STAR LAVAN LAVAN-STAR

FTI FRIHO-STAR

or

MIERA MIERA-STAR

Aircraft west of a north-south line at LFK, BLEWE

Austin Terminal Area

Aircraft east of a north-south line at LFK.IDU

CEW DEFUN Q112 INPIN SHDAY (RNAV)-STAR

DEFUN Q112 INPIN SHDAY (RNAV)-STAR

SZW INPIN SHDAY (RNAV)-STAR

GEP DLL MSN JVL JANESVILLE-STAR

FOD DBQ JVL JANESVILLE-STAR MCW JANESVILLE-STAR GCK IRK BRADFORD-STAR

NW. 23 SEP 2010 to 18 NOV 2010

CVA MOTIF-STAR

PIA MOTIF-STAR DBO CVA MOTIF-STAR LMN MOTIF-STAR

TVC PULLMAN-STAR

or

Aircraft through ZHU remain south of ZME and ZTL airspace

Aircraft through ZHU remain south of ZME and ZTL airspace

IRW, LOSZY, FSM, LIT, SQS, MLU, AEX, JUMBO, TQA, TURKI, HEATR

Aircraft through ZME airspace from J52 and south of J52, SQS

Aircraft through ZME airspace from north and west of PXV, RZC, O23 FSM Aircraft through ZME airspace from east of PXV, PXV Q25 MEEOW

Aircraft through ZME airspace from J6 down to, but not including J52, LIT, SQS

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING Denver Terminal Area OATHE DANDD-STAR

HGO QUAIL-STAR LOPEC-STAR or

ALS LARKS-STAR HBU POWDR-STAR

EKR TOMSN-STAR CHE TOMSN-STAR

or

or BFF LANDR-STAR or LBF SAYGE-STAR HCT SAYGE-STAR RSK LARKS-STAR LAA QUAIL-STAR GCK J154 RYLIE DANDD-STAR OCS J154 ALPOE RAMMS-STAR YANKI J114 SNY LANDR-STAR Aircraft filed BIL or east, MBW RAMMS-STAR CEW DEFUN Q104 PIE SWAGS (RNAV)-STAR Ft Lauderdale Executive Aircraft through ZHU airspace remain south ZME and ZTL

airspace

Ft Lauderdale or

Houston Bush

Houston Hobby

Jacksonville

CRP, CVE, LLO, LUKIY, SAT or Aircraft south and east of LLA, JEPEG MISLE Q40 AEX Aircraft north and east of SJI, SJI

SZW HEVVN Q104 PIE SWAGS (RNAV)-STAR

Aircraft east of PXV, PXV Q31 DHART SWB Aircraft north and west of PXV, PROWL Q33 DHART SWB CRP, ELLVR, SAT, SWB or Aircraft south and east of GIRLY, KCEEE Aircraft north and east of SJI, SJI

BESOM Q38 ROKIT ROKIT-STAR Aircraft east of PXV, PXV Q29 HARES SWB Aircraft north and west of PXV, PROWL Q33 DHART SWB

Aircraft through ZHU airspace remain south of ZME and ZTL airspace ٥r **ZOOSS TAY**

NW. 23 SEP 2010 to 18 NOV 2010

GADAY ZOOSS TAY

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING 250 John Wayne-Orange County HEC. PGS. BLD Aircraft south of TBC from ZAB airspace, HIPPI

> LMN BRAYMER-STAR PWE ROBINSON-STAR EMP JHAWK-STAR

DILCO, LIDAT, IGM

Aircraft from north, west, south, FAR GOPHER-STAR RWF SKETR-STAR

Aircraft over PGA or north of PGA KSINO Aircraft south of PGA PGS LYNSY Los Angeles Terminal Area Aircraft North of TBC, HEC, PGS Aircraft South of TBC from ZAB airspace, HIPPI, MESSI

or

airspace or

II A

ALO KASPR-STAR BRD GOPHER-STAR BAE EAU CLAIRE-STAR FOD TWOLF-STAR

Miami Terminal Area Minneapolis Terminal Area

Kansas City Terminal Area

Las Vegas

Memphis Terminal Area Naples, FL Nashville

New Orleans Terminal Area Oakland

Orlando Terminal Area

airspace OTK LEESE-STAR

KATTS PAMMY Aircraft over or south of a line ILC J16 DVC REANA KATTS PAMMY Aircraft from north of ILC, JOPER PAMMY KATTS PAMMY

NW. 23 SEP 2010 to 18 NOV 2010

Aircraft over or south of ILC, REANA KATTS PAMMY

GADAY Q108 CLAWZ LEESE-STAR

Aircraft through ZHU airspace remain south of ZME/ZTL

SZW HEVVN Q104 PLYER PIKKR (RNAV)-STAR CCT, GHM, GUITR, TINGS, VOLLS BLUEZ, GPT, LCH, MCB, TBD, FATSO

ARG, BWG, FSM, PXV, LIT, RZC, SQS, VUZ, BNA, GQO, ELD CEW DEFUN Q104 PLYER PIKKR (RNAV)-STAR Aircraft through ZHU AIRSPACE remain south of ZME and Z

SZW HEVVN Q104 CYY DEEDS (RNAV)-STAR

CEW DEFUN Q104 CYY DEEDS (RNAV)-STAR Aircraft through ZHU airspace remain south ZME and ZTL a

HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING

airspace

CORKR DRK

GUP ٥r

or

or

CEW DEFUN Q112 INPIN GULLO (RNAV)-STAR

SZW INPIN GULLO (RNAV)-STAR

Aircraft from ZDV airspace.

Aircraft from ZAB airspace, ZUN, MOHAK, SSO **VYLLA TUS**

FLG. SSO. MOHAK VYLLA, TUS

ARNIT BONVL-STAR

LARNO BONVL-STAR

Aircraft through ZHU airspace remain south of ZME and ZTL

Palm Beach, FL

Phoenix Satellites

Portland, OR Terminal Area

Phoenix

MOXEE MOXEE-STAR St. Louis Terminal Area SGF TRAKE-STAR BUM TRAKE-STAR or ANX TRAKE-STAR LMN IRK RIVRS-STAR RBS VANDALIA-STAR Salt Lake City Terminal Area JNC J12 HELPR SPANE-STAR EKR MTU SPANE-STAR BCE DTA-TCH ٥r MLF DTA-TCH BVL BONNEVILLE-STAR BYI BEARR-STAR or PIH BEARR-STAR DBS BRIGHAM CITY-STAR JAC BRIGHAM CITY-STAR or BPI BRIGHAM CITY-STAR OCS BRIGHAM CITY-STAR San Diego Terminal Area EED. LAX. GBN HEC. PGS. BLD. HIPPI Santa Ana San Antonio Terminal Area IDU, CSI, JCT, LLO, CRP, LRD or West of a north-south line at LFK, BLEWE East of a north-south line at LFK, IDU NW. 23 SEP 2010 to 18 NOV 2010

252	HIGH ALTITUDE REDESIGN (HAR) PHASE 1 RNAV ROUTING
San Francisco	FMG GOLDEN GATE-STAR
	or
	MVA MODESTO-STAR
	or
	ENI GOLDEN GATE-STAR
	or
	OAL MODESTO-STAR
	or
	South of a line ILC to DVC.

REANA KATTS OAL MODESTO-STAR

FMG HYP EL NIDO-STAR

OAL HYP EL NIDO-STAR ENLIGOLDEN GATE-STAR South of a line ILC to DVC, REANA KATTS KICHI CANDA EL NIDO-STAR Seattle Terminal Area

S

San Jose

Southwest Florida Airports

Tampa Terminal Area

RSW and FMY

Tucson

Aircraft From northeast, southeast, south, or

or

TEMPL GLASR-STAR SUNED CHINS-STAR BTG OLMYPIA-STAR CEW DEFUN 0104 SWABE JOSFF-STAR Aircraft through ZHU airspace remain south of ZME and Z airspace

or

SZW HEVVN Q104 SWABE JOSFF-STAR CEW DEFUN Q104 HEVVN DARBS-STAR Aircraft through ZHU airspace remain south of ZME and Z or

or

airspace

SZW DARBS-STAR DRK PXR MOHAK GBN

NW. 23 SEP 2010 to 18 NOV 2010

VISUAL FLIGHT RULES (VFR) WAYPOINTS

VFR Waypoint names consist of five letters beginning with "VP". Stand-alone VFR Waypoints are portrayed on VFR Charts using the same four-point star symbol currently used for Instrument Flight Rules (IFR) Waypoints.

VFR Waypoints collocated with Visual Checkpoints (Visual Reporting Points) are portrayed with a Visual Check Point flag The VFR Waypoint name is shown in parentheses adjacent to the Visual Check Point name. VFR Waypoint names are not intended to be pronounceable and shall not be used in ATC communications.

> CAUTION: GPS accuracy necessitates extra vigilance for other aircraft when navigating near any fix retrieved from a GPS database.

BALTIMORE-WASHINGTON TERMINAL AREA CHART/FLYWAY CHART

WAIFUINI IDENI	COLLOGATED VFK CHECKFOINT	LUGATION
VPAXI		N38°34.57'/W076°20.38'
VPONX		N39°06.65′/W076°55.92′
VPOOP		N38°56.32′/W076°36.90′
	BOSTON HELICOPTER CHAR	Т
VPBAY		N42°16.17'/W070°49.48'
VPBLT		N42°19.67′/W070°53.40′
VPCGS		N42°22.08′/W071°03.13′

N42°23.52′/W071°04.10′ **VPFVS**

VPFFN N42°12.58'/W071°08.88'

VPFRF N42°25.03'/W071°12.32' VPGVI N42°21.88'/W070°52.18'

N42°30.13′/W071°07.15′

COLLOCATED VED OUTOKDOINT

WAYDOINT IDENT

VPHΔM **VPPIK** N42°20.37'/W071°15.93' N42°12.10′/W071°04.78′ **VPOUA**

VPOUB VPSPF VPTOR

VPWAN **BOSTON TERMINAL AREA CHART**

VPCOH COHASSET

VPCHT CUTTYHUNK HARROR

VPFRA FRAMINGHAM SHOPPING CENTER

VPHOL WOODS HOLE

HIIII

VPHIII

NANTUCKET GREAT POINT

VPLPT NEEDHAM TOWERS PEABODY SHOPPING CENTER

VPNFD \/DDFA ROCKINGHAM RACE TRACK

VPROC SCITUATE

VPSCI NANTUCKET THIRD POINT VPTPT VPTUC TUCKERNUCK

VPWΔK WAKEFIELD WANG TOWERS

VPWAN CHARLOTTE SECTIONAL CHART

VPATO VPAVA **VPRFF**

VPRRA

VPMAR

VPGCF **VPGHI VPGIO** VPK III **VPLMN**

VPNIPO

VPOKY

VPREP

VPRRS

VPUMO

VPWZO VP7IF

ISLE OF DALMS

NW. 23 SEP 2010 to 18 NOV 2010

N36°13.75'/W076°08.08'

N35°15.30'/W075°31.25' N35°32.50'/W076°37.33' N35°26.58'/W076°10.22' N34°55.43'/W077°46.42' N34°42.20'/W077°03.50' N32°47.78′/W079°46.45′ N35°06.53'/W075°59.17' N32°33.98'/W080°21.82'

N36°03.90'/W076°36.42'

N42°12.60'/W070°59.83'

N42°24.20'/W071°09.47'

N42°31.42′/W070°59.82′

N42°36.88'/W071°19.45'

N42°13.58'/W070°48.94'

N41°25.50'/W070°55.03'

N42°18.16'/W071°23.65'

N41°31.06'/W070°40.60'

N42°18.20′/W070°55.30′

N41°23.41'/W070°02.78'

N42°18.51'/W071°14.64'

N42°32.52'/W070°56.69'

N42°46.29'/W071°13.57' N42°11.89'/W070°43.69'

N41°18.51'/W070°03.37' N41°18.31'/W070°15.43'

N42°30.72′/W071°05.24′

N42°36.88'/W071°19.45'

N34°37.37'/W076°31.47'

N34°57.00′/W077°16.50′

N32°16.38'/W080°47.50'

N33°25.45'/W079°07.60' N35°35.63'/W075°28.08' N36°00.87'/W075°40.07' N32°01.62'/W080°53.42'

254

VPBEN

VPFTG

VPNIC

VPRWY

VPDTN

VPGI A **VPGLB**

VPKTY

VPPI N

VPCKY

VPCNY

VPDAD

VPDAR

VPDFI

VPDIJT

VPEAR VPEGV

VPFFU

VPHUC

VPIWA

VPJMY

VPKER

VPLEV

VPLJA

VPMAI

VPTLH

VPXZY

VPYIW

VPZIE

VPAGO

VPDEN

VPENE

VPESS

VPFMF

VPGXY

VPMRF

VPMKF **VPROV**

VPUTT

WAYPOINT IDENT

VFR WAYPOINTS

NORTH INTERCHANGE N39°58.90′/W104°59.27 HOUSTON TERMINAL AREA CHART/FLYWAY CHART

DENVER TERMINAL AREA CHART/FLYWAY CHART

COLLOCATED VFR CHECKPOINT LOCATION N29°46 25'/W095°09 24

N29°46.59'/W095°22.01 N30°08.32'/W095°06.62

N30°07.80'/W094°55.70 N29°47.05'/W095°44.92 N30°08.80'/W095°50.42

N29°30.00′/W095°41.00

VPRSN N29°23.13'/W095°28.86

VPSND N29°49.29'/W094°53.94 VPSNT N29°47.48′/W095°03.34 **VPTNE**

JACKSONVILLE SECTIONAL CHART

VPTNW N29°47.06′/W095°33.81 N29°24.06′/W095°10.44

N31°49.35'/W081°51.07

VPAFI VPBEC

VPCJA

MIDWAY

LAKE PARKER

DADE CITY

CLEARWATER BEACH

ST PETE BEACH

KANSAS CITY SECTIONAL CHART

N29°00.17'/W081°20.85 N27°37.70′/W082°09.10 N27°58.67'/W082°49.83 N29°39.97'/W081°24.87 N28°57.08'/W081°00.33 N27°43.50′/W082°44.67 N30°04.02′/W083°40.02 N28°19.87'/W082°43.77

N30°07.00′/W081°21.33

N29°46.25'/W081°15.10 N29°30.00′/W081°06.00

N28°46.50'/W082°34.00

N28°30.00′/W080°45.00

N28°22.57'/W082°11.25

N31°22.38'/W081°24.13

N39°44.28'/W104°26.00

N39°44.35'/W104°32.75

N31°48.33′/W081°25.85 N29°26.92'/W081°18.27 N28°04.00'/W081°56.00 N28°48.00'/W080°52.00 N29°00.00'/W080°51.00 N30°50.02'/W084°56.63 N30°32.70′/W083°52.22 N29°35.00′/W083°10.00

N30°42.28'/W081°27.25 N32°01.62'/W080°53.42

N37°50.33'/W090°29.03 N37°15.07'/W092°30.67

N37°46.75′/W092°19.20

N37°44.75′/W091°55.78

N36°59.48'/W091°00.88

N37°41.00′/W092°38.33

N37°15.50′/W091°40.17 N37°11.08′/W090°27.92

N37°24.47'/W092°40.00

N38°01.72′/W091°12.81

N37°52.05′/W092°01.20

NW. 23 SEP 2010 to 18 NOV 2010

255

WAYPOINT IDENT VPWOC	COLLOCATED VFR CHECKPOINT	LOCATION N37°18.03'/W092°18.63'
VPWRO		N37°39.12′/W091°45.68′
VPXIZ		N37°26.60′/W092°05.42′
	KANSAS CITY TERMINAL ARE	A CHART
VPATN	ATCHISON	N39°33.62′/W095°07.65′
VPBGS	BLUE SPRINGS	N39°01.82′/W094°16.32′
VPBSP	BONNER SPRINGS	N39°03.78′/W094°53.10′
VPCHB	CHOUTEAU BRIDGE	N39°08.77′/W094°32.03′
VPDS0	DE SOTO	N38°58.68′/W094°58.48′
VPESG	EXCELSIOR SPRINGS	N39°20.68′/W094°13.77′
VPGTB	GARRETSBURG	N39°40.92′/W094°41.45′
VPLAT	LATHROP WATER TANK	N39°32.87′/W094°20.00′
VPLEN	LENEXA	N38°57.77′/W094°43.68′
VPLVL	LONGVIEW LAKE	N38°54.63′/W094°28.28′
VPMCL	MC LOUTH	
		N39°11.65′/W095°12.50′
VPNHA	NASHUA	N39°17.83′/W094°34.80′
VPSCX	SPORTS COMPLEX	N39°03.00′/W094°29.02′
VPSKR	SUGAR CREEK REFINERY	N39°07.00′/W094°27.02′
VPSPK	SWOPE PARK	N39°00.47′/W094°31.93′
VPTSK	TWIN STACKS	N39°09.05′/W094°38.22′
VPWOF	WORLDS OF FUN	N39°10.42′/W094°29.12′
	KLAMATH FALLS SECTIONAL	_ CHART
VPORO		N43°57.38′/W123°02.22′
	LOS ANGELES HELICOPTER	CHART
VPANA		N33°44.43′/W117°50.03′
VPART	MAGNOLIA	N33°51.45′/W117°58.92′
VPAUT	HWY 91 & 55	N33°50.63′/W117°49.57′
VPBOB		N33°59.60′/W117°21.45′
VPCAR		N33°49.90′/W118°17.23′
VPCNG	CONEJO GRADE US HWY 101	N34°12.54′/W118°59.61′
VPCOR	0011250 0111122 00 11111 101	N33°52.90′/W117°32.95′
VPCRX		N34°01.40′/W117°44.88′
VPCSU	CSU CHANNEL ISLANDS	N34°09.76′/W119°02.53′
VPDOW	COO CHANNEL ISLANDS	N33°56.47′/W118°05.80′
VPELA		N34°00.98′/W118°10.35′
VPETY		
		N33°38.70′/W117°44.12′
VPFCB	OVALADO FINIANIQUAL DI AZA	N34°02.03′/W118°01.63′
VPFPL	OXNARD FINANCIAL PLAZA	N34°13.71′/W119°10.39′
VPGOL		N34°09.33′/W118°17.37′
VPIMP		N33°55.85′/W118°16.85′
VPKAT		N33°48.23′/W117°54.22′
VPKEL		N34°03.92′/W117°48.40′
VPLAC		N34°03.75′/W118°14.93′
VPLLU		N34°03.85′/W117°17.82′
VPLQM	QUEEN MARY	N33°45.17′/W118°11.37′
VPLRT	SANTA ANITA RACE TRACK	N34°08.45′/W118°02.65′
VPLVT	VINCENT THOMAS BRIDGE	N33°44.97′/W118°16.32′
VPMDR		N33°59.27′/W118°23.97′
VPNEW	NEWHALL PASS	N34°20.18′/W118°30.72′
VPNUY		N34°09.63′/W118°28.18′
VPPCH		N33°28.07'/W117°40.32'
VPPKC		N34°03.32′/W118°12.83′
VPPOR		N34°00.10′/W117°50.12′
VPRRT		N33°59.37′/W118°16.83′
VPSEP		N34°05.80′/W118°28.63′
VPSFR		N34°17.45′/W118°28.07′
VPSTC	SATICOY BRIDGE	N34°17.43′/W118°28.07 N34°16.62′/W119°08.34′
VPSTK	SATIOUT BRIDGE	N34°18.82 /W119°08.34 N34°13.97'/W118°24.60'
*i Jik		NOT 10.81 /WIIO 24.00

LOS ANGELES SECTIONAL CHART

256

VPCNG

VPCSU

VPGTY

VPLBP

VPLCC

VPI CP

VPLDL

VPI DP

VPI DS

VPLFX

VPLGP

VPLHF

VPLHP

VPI KH

VPLLC

VPLLM

VPLMM

VPLMS

VPI PD

VPI PP

VPLOM

VPI RR

VPLRT

VPLSF

VPI SP

VPLSR

VPI SS

VPLTW

VPLVT VPI WT

VPNFW

VPSTC

VPACH

VPBOV VPCLE

VPCTF

VPDAD

VPDIJT

VPDZE VPEAR

VPEDY

VPGPE

VPHRO

VPHUC

VPIBR

VPKER

VPKOE

VPLYY

VPMRO

VPOBA

VPRBI

VPRNL

VPWMO

WAYPOINT IDENT

COLLOCATED VER CHECKPOINT

VPCNG	CONEJO GRADE US HWY 101
VPCSU	CSU CHANNEL ISLANDS
VPFPL	OXNARD FINANCIAL PLAZA

SATICOY BRIDGE

LOS ANGELES TERMINAL AREA CHART/FLYWAY CHART

VPSTC

GETTY CENTER

BANNING PASS

CAJON PASS

DISNEYLAND

DANA POINT

CHAFFEY COLLEGE

DODGER STADIUM

110/405 FWYS

KING HARBOR

L.A. COLISEUM

LAKE MATHEWS

PRADO DAM

QUEEN MARY

ROSE BOWL

MAGIC MOUNTAIN

MILE SQUARE PARK

PACIFIC PALISADES

SANTA ANA CANYON

SANTA SUSANA PASS

STATE COLLEGE

SIGNAL PEAK

WATER TANK

DADE CITY

NEWHALL PASS

SATICOY BRIDGE

HOLLYWOOD BEACH

CLEARWATER BEACH

ST PETE BEACH

LAKE PARKER

GULFSTREAM PARK

PUMPING STATION

RANGER STATION

NW. 23 SEP 2010 to 18 NOV 2010

ANDYTOWN TOLLGATE

SANTA FE FLOOD BASIN

SANTA ANITA RACE TRACK

SAN FERNANDO RESERVOIR

HAWTHORNE & 405 FREEWAY

TUJUNGA WASH & FOOTHILL

MIAMI SECTIONAL CHART

VINCENT THOMAS BRIDGE

HUNTINGTON PIER

91/605 INTERCHANGE

GRIFFITH PARK OBSERVATORY

CONEJO GRADE US HWY 101

CSU CHANNEL ISLANDS

VFR WAYPOINTS

N34°13.71′/W119°10.39 N34°16.62'/W119°08.34

LOCATION

N34°12.54′/W118°59.61 N34°09.76'/W119°02.53

N34°12.54'/W118°59.61 N34°09.76'/W119°02.53

N34°04.84'/W118°28.66 N33°56.05'/W116°59.63

N34°08.87'/W117°34.33 N34°18.07'/W117°27.68

N33°48.72'/W117°55.13 N33°27.62'/W117°42.87

N34°04.42′/W118°14.42 N33°52.38'/W118°06.08

N34°26.20′/W118°36.28 N33°43.40′/W117°56.77

N33°53.40′/W117°38.48

N34°02.13'/W118°32.15 N33°45.17'/W118°11.37

N34°09.67'/W118°10.05

N34°08.45′/W118°02.65

N33°52.03'/W117°42.68

N34°07.72′/W117°57.30

N33°52.97'/W117°53.13

N34°17.87'/W118°29.00

N33°36.33'/W117°48.63

N33°53.07'/W118°21.13

N34°16.00′/W118°38.43

N34°16.40′/W118°20.30

N33°44.97'/W118°16.32

N34°10.82'/W118°46.27

N34°20.18'/W118°30.72

N34°16.62′/W119°08.34

N26°00.92'/W080°06.93 N27°57.00′/W080°46.75

N26°27.07'/W082°00.88

N26°09.28'/W081°20.70

N28°22.57'/W082°11.25

N27°37.70′/W082°09.10 N27°19.00′/W080°44.17

N27°58.67'/W082°49.83

N26°08.78'/W080°28.00 N26°25.40′/W081°29.67

N27°43.50′/W082°44.67

N27°05.97'/W082°12.20

N28°19.87'/W082°43.77

N27°12.47′/W081°40.22

N28°04.00'/W081°56.00

N24°40.08'/W081°20.55

N24°49.07'/W080°49.17

N25°58.57'/W080°08.17 N26°28.30'/W080°26.75

N25°50.67'/W080°55.18

N25°22.92'/W080°36.58

N27°03.00'/W080°35.00

N34°07.10′/W118°18.02 N33°51.42′/W118°17.10 N33°39.32'/W118°00.25 N33°50.75′/W118°23.88 N34°00.83'/W118°17.27 N33°50.58'/W117°26.85

N33°20.53'/W111°49.58'

N33°55.08'/W112°08.45'

N33°03.50'/W111°55.83'

N33°22.52'/W112°18.90'

N33°49.53'/W112°23.58'

N33°44.37'/W111°39.62'

N38°47.17'/W090°39.25'

MIAMI TERMINAL AREA CHART/FLYWAY CHART

WAYPOINT IDENT	COLLOCATED VFR CHECKPOINT	LOCATION
VPACH	HOLLYWOOD BEACH	N26°00.92′/W080°06.93′
VPEDY	ANDYTOWN TOLLGATE	N26°08.78'/W080°28.00'
VPMB0	GULFSTREAM PARK	N25°58.57′W080°08.17′
VPOBA	PUMPING STATION	N26°28.30′/W080°26.75′
VPRBI		N25°50.67′/W080°55.18′
VPRNL	RANGER STATION	N25°22.92′/W080°36.58′
	NEW ORLEANS SECTIONAL	CHART
VPGPT		N30°25.95′/W089°05.62′
VPLIP	PHILLIPS INLET	N30°16.23′/W085°59.25′
VPMAI		N30°50.02′/W084°56.63′
VPMOB		N30°23.00′/W088°31.72′
VPRAM		N30°18.95′/W089°35.88′
VPRER		N30°13.87'/W085°20.67'
VPRIV		N30°54.85′/W087°57.82′
VPSAW		N30°49.65′/W089°07.42′
VPTHR		N30°19.93′/W087°08.50′
	NEW YORK HELICOPTER (CHART
VPJAY		N40°59.00′/W073°07.00′
VPLYD		N40°57.37′/W073°29.59′
VPROK		N40°52.70′/W073°44.24′
	PHOENIX TERMINAL AREA CHART/	FLYWAY CHART
VPALL	ALLENVILLE	N33°20.97′/W112°35.20′
VPAQU	AQUEDUCT PUMPING STATION	N33°40.05′/W112°41.38′
VPARM	ARROWHEAD MALL	N33°38.52′/W112°13.48′
VPAWG	AHWATUKEE GOLF COURSE	N33°19.98′/W111°59.08′
VPAZM	ARIZONA MILLS	N33°23.43′/W111°57.88′
VPBAR	BARTLETT DAM	N33°49.10′/W111°37.92′
VDCCC	COUNTRY OLUB & CANAL	NOO000 70/ /W/4440E0 07/

VPCCC COUNTRY CLUB & CANAL N33°30.73'/W111°50.37' VPCNL N33°33.23′/W111°46.89° CANAL **VPFRR** FIREBIRD LAKE N33°16.35'/W111°58.10' **VPFTN** FOUNTAIN HILLS N33°36.12'/W111°42.72' **VPGLX** GILA CROSSING N33°16.55'/W112°10.08' **VPGPP** GLENDALE POWER PLANT N33°33.27'/W112°13.00' **VPMAR** N33°03.42'/W112°02.88'

> SOUTH MOUNTAIN COLLEGE N33°23.02'/W112°02.12' SOUAW PEAK N33°32.83'/W112°01.27' SUPERSTITION SPRINGS MALL N33°23.50′/W111°41.37′ SANTAN MOUNTAINS N33°09.23'/W111°40.92' SOUTH TEST TRACK

MESOUITE HIGH SCHOOL

OUINTERO GOLF COURSE

RIO VERDE COMMUNITY

NORTH TEST TRACK

NFW RIVER

ST PETERS

VPMHS

VPNRV

VPNTT

VPPIR

VPOTR

VPRVC

VPSMC

VPSOP

VPSSS

VPSTN

VPSTT

VPZZZ

VPAGN

VPBPE

VPCJY

VPCOJ

VPDFA

VPEAZ

VPEDZ

VPEGR

VPEOX

N32°56.25'/W111°59.67' N33°20.18'/W111°26.53' ST LOUIS TERMINAL AREA CHART/FLYWAY CHART TV ANTENNA N38°32.08'/W090°22.42' N38°23.80'/W090°20.38' HOLIDAY SHORES N38°55.00'/W089°56.00' WINFIELD DAM N39°00.28'/W090°41.23' JEFFERSON BARRACKS BRIDGE N38°29.18'/W090°16.47' N38°37.43′/W090°11.55′ BUSCH STADIUM WATER TANKS N38°45.30'/W090°34.87' GAS TANKS N38°35.80'/W090°19.32'

258 VFR WAYPOINTS WAYPOINT IDENT COLLOCATED VER CHECKPOINT VPFAI HOWELL ISLAND

> WATERLOO N38°20.00′/W090°09.00 HORSESHOE LAKE N38°41.00′/W090°05.00 N38°29.00'/W090°44.00 PACIFIC ST CHARLES N38°47.00′/W090°30.00 N38°30.67'/W090°40.47

WOOD RIVER REFINERIES WENTZVII I E **IFRSFYVILLE** FOREST PARK COLLIMBIA MILLSTADT MOSENTHEIN ISLAND

SALTAIR BARN

SOUTH INTERCHANGE STATE CAPITOL

CAUSEWAY

BINGHAM COPPER MINE

PARLEYS CANYON

FRANCIS PEAK

KSI ANTENNA

GARFIELD STACK

SPAGHETTI BOWL

JORDAN RIVER TEMPLE

MCKAY DEE HOSPITAL

MICROWAVE TOWERS

GRAIN FLEVATOR

POWER STATION

PROVO CANYON

WEBER CANYON

SOUTH TIP

BARN

PROMONTORY POINT

POINT OF THE MOUNTAIN

I-15/I-80 INTERCHANGE

SOUTH INTERCHANGE

BINGHAM COPPER MINE

CENTERVILLE INTERCHANGE

NW. 23 SEP 2010 to 18 NOV 2010

STATE CAPITOL

CAUSEWAY

PARLEYS CANYON

FRANCIS PEAK

GARFIELD STACK

FREE PORT CENTER

STATE PRISON

LAGOON AMUSEMENT PARK

FREE PORT CENTER

CHAIN OF ROCKS BRIDGE

SALT LAKE CITY HELICOPTER CHART

N38°27.50′/W090°05.68 N38°43.00′/W090°12.25

N40°44.85'/W112°11.22 N40°38.18'/W111°54.23 N40°54.28'/W112°10.15 N40°46.67'/W111°53.25 N40°42.28'/W112°05.92

LOCATION

N38°40.00′/W090°43.00 N38°55.37′/W090°17.30

N38°35.60′/W090°26.92

N38°32.30′/W090°27.80

N38°45.88'/W090°10.42

N38°37.50′/W090°11.00

N38°50.00′/W090°05.00

N38°48.83'/W090°50.98

N39°07.00′/W090°20.00

N38°38.00′/W090°17.00

N38°27.00′/W090°12.00

N40°31.38'/W112°09.00 N41°05.37'/W112°07.17

N40°42.67'/W111°48.10 N41°05.92′/W112°02.27 N41°01.98'/W111°50.30 N40°43.28'/W112°11.88 N40°43.50′/W111°54.22 N40°35.02'/W111°55.58 N40°46.80'/W112°05.80 N40°59.08'/W111°53.57

N41°11.50′/W111°57.08 N40°48.50′/W111°53.37 N41°01.67'/W112°02.47 N40°50.15'/W111°54.90

N41°03.57'/W112°14.23 N41°13.13′/W112°00.45 N41°20.38'/W112°02.78 N40°29.88'/W111°53.62 N41°12.28′/W112°25.73

N40°27.42′/W111°54.83 N40°18.77'/W111°39.45 N40°48.48′/W112°00.33 N40°45.83'/W111°54.85

N40°50.93'/W112°10.92 N41°08.17'/W111°54.83 N40°38.00′/W112°03.33

SALT LAKE CITY TERMINAL AREA CHART/FLYWAY CHART N40°44.85'/W112°11.22 N40°38.18'/W111°54.23 N40°54.28'/W112°10.15

N40°46.67'/W111°53.25

N40°42.28'/W112°05.92

N40°31.38′/W112°09.00

N40°55.30′/W111°53.43

SIX FLAGS GATEWAY ARCH

VPKNY **VPLES** VPNSY VPN7Y

VPFFY **VPGPF**

VPGVI

VPHRO

VPIRO

VP IMII

VPRA7

VPRMO

VPWKO

VPXXI

VPYID

VPAIR

VPBEE

VPRRN

VPCAP

VPCHS

VPCOP

VPFPK

VPGFS

VPHVF

VPJRT

VPKSL

VPLGN

VPMDH

VPMMT

VPMSH

VPNTP

VPOGE

VPOPS

VPPFN

VPPPT

VPPTM

VPPVO

VPRWY

VPSLC

VPTIP

VPWBR

VPAIR

VPRFF

VPBRN

VPCAP

VPCHS

VPCOP

VPCVI

VPCYN

VPFPC.

VPFPK

VPGFS

JORDAN RIVER TEMPLE

MCKAY DEE HOSPITAL

MICROWAVE TOWERS

LAGOON AMUSEMENT PARK

SPAGHETTI BOWL

KSL ANTENNA

VPHVE

VPIRT

VPKSL

VPLGN

VPMDH

VPMMT

VPMSH

VPNSI

VPNTP

VPOGE

VPPFN V/PPPT

VPPTM

VPPV0

VPRWY

VPSBC

VPSRI

VPSRM

VPSCF

VPSCM

VPSCR

VPSFR

VPSLI

VPSMB

VPSMP

VPSMS

VPSMV

VPSMW

VPSOP

VPSOT

VPSPL

VPSPP

VPSOS

VPSRT

VPSSM

VPSSV

VPSTP

VPSVA

VPKBG

VPALT **VPANT**

VPRRR

VPCAL

VPCRT

VPCOY **VPCOZ**

VPCRL

VPCRY

GRAIN ELEVATOR POWER STATION STATE PRISON

PROMONTORY POINT POINT OF THE MOUNTAIN PROVO CANYON

VPSLC VPTIP

VPHOH VPWRR **VPWBT** VP700 VPLDP **VPLSP** VPOCN

I-15/I-80 INTERCHANGE

SOUTH TIP

HOGLE ZOO DANA POINT SIGNAL PEAK

SAN DIEGO TERMINAL AREA CHART/FLYWAY CHART BARONA CASINO BLACK MOUNTAIN

COWLES MOUNTAIN

CRYSTAL PIER

IRON MOUNTAIN

LAKE JENNINGS

MOUNT SOLEDAD

MOUNT WOODSON

OTAY MESA PRISON LOWER OTAY LAKE

SOUTH POINT LOMA

OUALCOMM STADIUM

DEL MAR RACE TRACK

SAN VICENTE ISLAND

KINGSBURY GRADE

ALTAMONT PASS

ANTIOCH BRIDGE

BENICIA BRIDGE

LAKE CHAROT

COYOTE HILLS

CAROUINEZ BRIDGE

CALAVERAS RESERVOIR

CRYSTAL SPRINGS CAUSEWAY

SAN MIGUEL MOUNTAIN

TORREY PINES GOLF COURSE

SAN FRANCISCO SECTIONAL CHART

NW. 23 SEP 2010 to 18 NOV 2010

POWER PLANT

U OF U EVENTS CENTER WEBER CANYON

N40°45.83'/W111°54.85'

N40°50.93'/W112°10.92' N40°45.73'/W111°50.28' N41°08.17'/W111°54.83'

N32°58.87'/W117°07.00'

N32°48.55'/W117°09.17'

N32°48.72'/W117°01.97'

N32°41.78'/W116°56.18'

N32°55.53'/W116°55.00'

N32°54.17'/W117°14.68'

N33°11.48'/W117°16.38'

N38°58.75'/W119°53.20'

N38°03.66'/W122°13.52'

N37°11.00′/W121°41.06′

N37°30.56'/W122°21.10'

N40°43.50′/W111°54.22′

N40°35.02'/W111°55.58'

N40°46.80'/W112°05.80'

N40°59.08'/W111°53.57'

N41°11.50′/W111°57.08′

N40°48.50′/W111°53.37′

N41°01.67'/W112°02.47'

N40°50.15'/W111°54.90'

N41°03.57'/W112°14.23'

N41°13.13'/W112°00.45'

N41°20.38'/W112°02.78'

N40°29.88'/W111°53.62'

N41°12.28'/W112°25.73'

N40°27.42'/W111°54.83' N40°18.77'/W111°39.45'

N40°48.48'/W112°00.33'

N40°38.00'/W112°03.33' N40°45.00'/W111°48.95' N33°27.62'/W117°42.87' N33°36.33'/W117°48.63' N33°14.15'/W117°26.63' N32°56.25'/W116°52.60' N33°05.18'/W117°18.55'

N32°47.77'/W117°15.42' N32°39.37'/W117°07.30' N32°58.25'/W116°57.33'

N32°51.53'/W116°53.28' N32°45.57'/W117°12.22' N33°22.70'/W117°36.75'

N32°50.40'/W117°15.10' N32°45.75'/W117°09.80' N33°00.52'/W116°58.23' N32°35.82'/W116°55.28' N32°37.73'/W116°55.38' N32°39.90'/W117°14.55' N33°08.25'/W117°20.23'

N32°46.98'/W117°07.23' N32°58.58'/W117°15.95'

SAN FRANCISCO TERMINAL AREA CHART/FLYWAY CHART N37°44.35'/W121°35.42' N38°01.45'/W121°45.02' N38°02.50'/W122°07.45' N37°28.16'/W121°48.93' N37°43.68'/W122°06.94' N37°32.50'/W122°05.06'

260 VFR WAYPOINTS WAYPOINT IDENT COLLOCATED VER CHECKPOINT LOCATION **VPCSH** CAL STATE UNIVERSITY N37°39.52′/W122°03.52 VPDΔM DEL VALLE DAM N37°36.91'/W121°44.78 **VPDLR** N37°07.00'/W121°47.06 **VPDUB** DUBLIN N37°42.06'/W121°55.36 **VPEMB** EMBASSY SUITES N37°26.05'/W121°53.83 VPGGF GOLDEN GATE FIELDS N37°53.07'/W122°18.71 VPGII N37°01.37'/W121°33.99 GILROY N38°03.58'/W122°30.66 **VPHHH** HAMII TON **VPKGO** KGO N37°31.58'/W122°06.10 VPLEX LEXINGTON RESERVOIR N37°11.66′/W121°59.18 **VPMID** MID-SPAN SAN MATEO BRIDGE N37°36.28'/W122°11.81 N37°48.46′/W122°11.95 VPMOR MORMON TEMPLE VPNIIM NUMMI PLANT N37°29.56'/W121°56.58 **VPPAC** N37°38.00′/W122°32.07 **VPPRU PRUNEYARD** N37°17.33'/W121°56.01 VPSAR N37°15.26′/W122°02.33 SARATOGA **VPSLA** SLAC/LINEAR ACCELERATOR N37°24.75'/W122°14.35 **VPSTB** STINSON BEACH N37°54.45′/W122°40.41 VPSUN SUNOL GOLF COURSE N37°34.85'/W121°53.23 **VPUTC** UTC N37°13.93'/W121°41.35 **VPWAL** WALNUT CREEK N37°53.78'/W122°04.30 VPWAM N37°30.28'/W122°10.00 **VPWFR** CEMENT PLANT N37°30.88'/W122°12.26 TAMPA/ORLANDO TERMINAL AREA CHART/FLYWAY CHART N27°57.00′/W080°46.75 N28°30.00′/W080°45.00 DADE CITY N28°22.57'/W082°11.25

VPBOV VPCNY VPDAD N29°00.17'/W081°20.85 VPDFI VPDIJT N27°37.70′/W082°09.10 **VPEAR** CLEARWATER BEACH N27°58.67'/W082°49.83 **VPFFU** N28°57.08'/W081°00.33 ST PETE BEACH **VPGPE** N27°43.50'/W082°44.67 N28°19.87'/W082°43.77 VPHLIC **VPKER** LAKE PARKER N28°04.00'/W081°56.00 **VPLEV** N28°48.00'/W080°52.00 **VPLJA** N29°00.00'/W080°51.00

WASHINGTON SECTIONAL CHART

 VPACE
 N38°07.82′/W076°48.75

 VPAXI
 N38°34.57′/W076°20.38

 VPBRA
 N36°13.75′/W076°08.08

 VPGCE
 N36°03.90′/W076°36.42

 VPWZO
 N36°00.87′/W075°40.07

intersection of Twv B at apch end Rwy 28L.

Over amusement park.

and A3.

base.

Rwy 25.

At intersection of Twys A

Over tetrahedron on arpt.

On runup area at apch end

Remarks

Checkpoint Description

Over refinery at Laurel.

Twy at apch end Rwy 12.

On runup as at apch end Rwy 30.

Over intersection of Rwys 11-29 and 15-33.

On Twy A between A5 and

On Twy E on South side of

Over apch end Rwy 30.

Over letter 'B' on bluff.

At intersection of Twy A and A3.

Over S end of dam.

Rwv 27.

A6.

Over radio antenna with white storage tanks at

VOR RECEIVER CHECKPOINTS **AND VOR TEST FACILITIES (VOT)**

The use of VOR airborne and ground checkpoints is explained in Aeronautical Information Manual, Basic Flight Information and ATC Procedures.

Coeur D'Alene.....

Idaho Falls (Idaho Falls Rgnl).....

Boise (Boise Air Terminal-Gowen Field).... 116.7

Billings.....

Bozeman (Gallatin Fld)

Coppertown (Bert Mooney).....

Great Falls (Great Falls Intl)

Havre.....

Helena (Helena Rgnl).....

Kalispell (Glacier Park Intl).....

Facility Name

(Airport Name)

Facility Name (Arpt Name)

NOTE: Under columns headed "Type of Checkpoint" & "Type of VOT Facility" G stands for ground, A/ stands for airborne followed by figures (2300) or (1000-3000) indicating the altitudes above mean sea level at which the check should

be conducted. Facilities are listed in alphabetical order, in the state where the checkpoints or VOTs are located. **IDAHO**

VOR RECEIVER CHECKPOINTS

Azimuth

Dist.

9.0

6.2

8.7

0.8

Type Check

		Pt.	from	from	
		Gnd.	Fac.	Fac.	
Facility Name (Arpt Name)	Freq/Ident	AB/ALT	Mag	N.M.	Checkpoint Description
Boise	113.3/BOI	A/5000	090	6.2	Over dam outlet S end Lucky Peak Reservoir
Boise (Boise Air Terminal-Gowen Field)	113.3/BOI	G	275	1.0	On twy C adjacent to the

Nez Perce (Lewiston-Nez Perce County)..... 108.2/MQG A/3000 247 Pocatello (Pocatello Rgnl) 112.6/PIH A/5800 034

108 8/C0F

113.85/IDA

Frea.

Freq/Ident

114.5/BIL

112.4/BZN

112.4/BZN

111.6/CPN

113.0/DLN

115.1/GTF

115.1/GTF

111.8/HVR

117.7/HLN

108.4/FCA

Twin Falls (Joslin Fld-Magic Valley Rgnl) 115.8/TWF

Type VOT

Facility

Type Check

Pt

Gnd

AB/ALT

A/5000

G

G

A/6600

A/7000

G

G

A/4000

G

A/4000

NW. 23 SEP 2010 to 18 NOV 2010

MONTANA

A/4000

065

011

208

VOR TEST FACILITIES (VOT)

Dist.

from Fac

N.M.

10.5

0.5

1.0

11.5

5.0

2.3

29

8.0

0.7

64

VOR RECEIVER CHECKPOINTS

from

Fac

Mag

199

272

137

098

245

030

0.30

278

238

316

Azimuth

Facility Name (Arpt Name)

Facility Name (Arpt Name)

Lewistown (Lewistown Muni)

Livingston.....

Astoria (Astoria Regional)

Baker.....

Corvallis (Corvallis Muni)

Eugene (Mahlon Sweet Field)

Klamath Falls (Klamath Falls).....

North Bend (North Bend Muni).....

Pendleton) Rogue Valley (Rogue Valley Intl)

Pendleton (Eastern Oregon Rgnl At

Miles City (Frank Wiley Field) 112.1/MLS

VOR RECEIVER CHECK

Azimuth

from

Fac.

Mag

075

237

036

344

Azimuth

from

Fac.

Mag

153

136

Dist

from

Fac.

N.M.

5.6

5.5

42

0.6

Dist.

from

Fac

N.M.

.5

6.7

Type Check

Pt

Gnd.

AB/ALT

A/5200

A/6500

G

G

Pt.

Gnd

AB/ALT

G

A/6000

G

G

G

G

G

A/3000

OREGON VOR RECEIVER CHECKPOINTS Type Check

Freq/Ident

112.0/LWT

116.1/LVM

Freq/Ident

114.0/AST

115.3/BKE

115.4/CVO

112.9/EUG

115.9/LMT

112.1/0TH

114.7/PDT

113.6/0ED

Roseburg (Roseburg Rgnl)		A/2500	337	3.0
Wildhorse		A/6500	225	6.0
V	OR TEST FA	ACILITIES	(VOT)	
Facility Name		Type VOT		
(Airport Name)	Freq.	Facility		
Portland Intl	111.0	G		
Portland Hillsboro	115.2	G		
Rogue Valley Intl-Medford	117.2	G		
	WASH	INGTO	1	
VO	R RECEIVE	R CHECK	POINTS	
		Туре		
		Check	Azimuth	Dist.
		Pt.	from	from
		Gnd.	Fac.	Fac.
Facility Name (Arpt Name)	Freq/Ident	AB/ALT	Mag	N.M.
Ellensburg (Bowers Field)	117.9/ELN	A/2300	255	3.5
Ephrata (Ephrata Muni)	112.6/EPH	A/2300	202	5.8
Hoquiam (Bowerman)	117.7/HQM	A/1100	062	8.4
Whatcom (Bellingham Intl)	113.0/HUH	A/1700	162	5.4
NW. 23	SEP 2010 t	o 18 NOV	2010	
1111. 20	0-1 -010 t	U 10 110 V		

049 071 0.5 tower. 298 1.0

254 073 213

0.5 3 1 3.9

4.8

Checkpoint Description East edge of ramp in front of large hangar. Over microwave tower on bluff. ramp.

On S edge of terminal On ramp immediately W of On ramp N of Twy E. On Twy E at compass rose

Checkpoint Description

Over apch end Rwv 07. Over northern most radio

On twy leading to Rwy 30.

Terminal ramp east of Twy

twr NE of city.

On twv B. Over radio tower. Over S end of Rwy 16-34. Over smoke stack.

Remarks

Unusable on Twy A-6, hangar area W of Twy

A-6 and Twy A NW of Twv C.

Checkpoint Description

Over W end of Rwy 07-25

Over Rwy 03 thld. Over centerline on apch end Rwy 06. Over Nooksack River/Interstate 5

Bridge.

155

194

313

350

173

098

197

308

107

VOR RECEIVER CHECK

Freq/Ident

115.0/MWH

115.0/MWH

116.8/SEA

116.8/SEA

Type Check

Pt.

Gnd.

AB/ALT

G

G

G

G

G

G

A/2000

A/2500

A/2000

Type Check

Pt

Gnd.

AB/ALT

A/6500

G

A/6400

A/5500

A/7500

G

G

A/5000

Azimuth

from

Fac.

Mag

180

174

204

116

093

052

129

Dist

from

Fac.

N.M.

25

0.5

13.4

49

5.5

8.0

2.3

5.0

Dist

from

1.4

1.2

1.0

0.3

0.8

1.1

27.0

19.5

10.3

Checkpoint Description

On runup area Rwv 32R.

On runup area Rwv 04.

On runup area Rwv 14L.

On E runup area Rwv 17.

Twv H.

area

On Twv A-7.

Over Nisqually River/Interstate 5 bridge.

end Rwv 33.

Intersection of Rwy 11 and

Twy Echo at Rwy 30 run-up

Over NW end of bridge and Hwy 305.

Over centerline on apch

263

112.2/TOU	A/2500	077	12.4	Over AER 08.
116.4/ALW	A/1500	225	5.6	Over largest hangar.
116.4/ALW	G	035	0.5	At the intersection of Twys A and C.
111.0/EAT	G	105	0.6	On Twy at apch end of Rwy 30.
116.0/YKM	A/3500	210	4.1	Over single tower on ridge line.
VOR TEST FA	ACILITIES	(VOT)		
	Type VOT			
Freq.	Facility			Remarks
108.6	G			
117.5	G			
114.0	G			
109.6	G			
WYC	OMING			
OR RECEIVE	R CHECKP	POINTS		
	116.4/ALW 116.4/ALW 111.0/EAT 116.0/YKM VOR TEST F/ Freq. 108.6 117.5 114.0 109.6 WYC	116.4/ALW A/1500 116.4/ALW G 111.0/EAT G 116.0/YKM A/3500 VOR TEST FACILITIES Type VOT Facility 108.6 G 117.5 G 114.0 G 109.6 G WYOMING	116.4/ALW A/1500 225 116.4/ALW G 035 111.0/EAT G 105 116.0/YKM A/3500 210 VOR TEST FACILITIES (VOT) Type VOT Freq. Facility 108.6 G 117.5 G 114.0 G 109.6 G	116.4/ALW A/1500 225 5.6 116.4/ALW G 035 0.5 111.0/EAT G 105 0.6 116.0/YKM A/3500 210 4.1 VOR TEST FACILITIES (VOT) Type VOT Freq. Facility 108.6 G 117.5 G 114.0 G 109.6 G WYOMING

Freq/Ident

117.8/BOY

115.4/JAC

116.2/DDY

108.2 ECS

109.4/RWL

109.4/RWL

116.0/0CS

115.3/SHR

Facility Name (Arpt Name)

Facility Name (Arpt Name)

Boysen Reservoir

Jackson (Jackson Hole)

Muddy Mountain (Casper/Natrona Co Intl)..

Newcastle (Mondell Fld).....

Rawlins (Rawlins Muni)

Rock Springs (Rock Springs-Sweetwater County).....

Sheridan (Sheridan County).....

Moses Lake (Grant County Intl).................. 115.0/MWH

Paine (Snohomish Co (Paine Fld)) 110.6/PAE

Seattle

Seattle

Checkpoint Description Over Riverton VOR. On Twy A. approximately 1,000' S of AER 19. Over intersection Rwys 03-21, 08-26 and 12-30 Over radio towers with strobe lights. Bridge over railroad track east of refinery. Runup area Rwy 22. Intersection twy to Rwy 09-27.

Over centerline approach end Rwv 14.

NW. 23 SEP 2010 to 18 NOV 2010

PARACHUTE JUMPING AREAS

The following tabulation lists all reported parachute jumping sites in the area of coverage of this directory. Unle otherwise indicated, all activities are conducted during daylight hours and under VFR conditions. The busiest periods activity are normally on weekends and holidays, but jumps can be expected at anytime during the week at the locatic listed. Jumps within restricted airspace are not listed.

All times are local and altitudes MSL unless otherwise specified.

Contact facility and frequency is listed at the end of the remarks, when available, in bold face type.

Refer to Federal Aviation Regulations Part 105 for required procedures relating to parachute jumping.

Organizations desiring listing of their jumping activities in this publication should contact the nearest FSS, tower ARTCC.

Qualified parachute jumping sites will be depicted on the appropriate visual chart(s).

Note: (c) in this publication indicates that the parachute jump area is charted.

To qualify for charting, a jump area must meet the following criteria:

- (1) Been in operation for at least 1 year.
- (2) Operate year round (at least on weekends).
- (3) Log 4.000 or more jumps each year.

In addition, jump sites can be nominated by FAA Regions if special circumstances require charting.

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC	MAXIMUM ALTITUDE	REMARKS
	IDAHO		
Burley		15,000	Daily SR-SS.
(c) Caldwell Industrial Arpt		17,500	5 NM radius. ¹ /2 hour before SR hour after SS.
Joslin Fld-Magic Valley Rgnl	0.1 NM; 359° Twin Falls	14,500	2 NM radius May-Oct weekends
(c) Star Skydiving Center	17 NM; 289° Boise	16,000	5NM radius. SR-2 hrs after SS daily.
	MONTANA		
Bozeman Gallatin Fld Arpt	1 NM; 038° Bozeman	15,000	2 NM radius. SR-SS daily.
(c) Butler Creek	19 NM; 296° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
Dornblaser Fld	5.2 NM; 120° Missoula	12,500 AGL	0.5 NM radius. Occasional use.
(c) Grant Creek	1.5 NM; 053° Missoula	12,500 AGL	0.5 NM radius. Occasional use.
(c) Helena, Ft Harrison	6 NM; 265° Helena	12,000	1 NM radius. Wed-Sun SR-SS.
Kalispell	6 NM; 227° Kalispell	14,000	1 NM radius. 0900-SS daily.
(c) Kalispell, Carson Fld Arpt	28 NM; 238° Kalispell	14,000	2 NM radius. 0800-SS daily.
Kalispell, City Arpt		14,000 AGL	2 NM radius. 0800-SS daily.
(c) Laurel Muni Arpt	9 NM; 208° Billings	14,500	2 NM radius. Daily SR-SS.
Livingston, MIssion Fld	1 NM; 010° Livingston	14,500	2 NM radius. Daily SR-SS.
(c) Missoula Intl Arpt		1,500 AGL	0.5 NM radius. May-Sep daily SR-SS, Oct-Apr occasional use.
Nine Mile R.S	17 NM; 289° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
(c) Raser Ranch		3,000 AGL	0.5 NM radius Apr-Oct occasion use.
Roundup Arpt	40 NM; 351° Billings	14,500	Weekends SR-SS.
(c) Six Mile	15 NM; 300° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
(c) Stevensville Arpt	25 NM; 162° Missoula	14,000	1 NM radius. Wed and weekends SR-SS.
Stoney Creek	17 NM; 296° Missoula	2,000 AGL	0.5 NM radius. Occasional use.
Three Forks Arpt	18 NM; 275° Bozeman	14,500	2 NM radius. Daily SR-SS.
University Campus		12,500 AGL	0.5 NM radius. Occasional use.
West Yellowstone, Yellowstone Arpt	60 NM; 034° DuBois	1,500 AGL	June-Sep.
	OREGON		
(c) Albany, Northwest Parachute Club	18 NM; 032° Corvallis	13,000	2 NM radius. SR-1 hr after SS Wed-Sun. Occasional hours Mon-Tue.
(c) Creswell, Hobby Fld	15 NM; 120° Eugene	15,000	5 NM radius. SR-SS daily.
(c) Estacada, Beaver Oaks Arpt	25 NM; 076° Newberg	13,000 AGL	1.5 NM radius. 0800-2300 Dai
(c) Hermiston Muni Arpt	16 NM; 280° Pendleton	15,000	2 NM radius. SR-SS weekends. Occasional hours weekdays.
(c) Medford, Beagle Sky Ranch Arpt	5 NM; 350° Rogue Valley	14,000	Daily SR-2200.
(c) Mollala, Sky Dive Oregon Arpt	19 NM; 110° Newberg	14,500	5 NM radius. 0800–2200, Daily Portland Intl Tower 118.1
(c) Redmond, Cline Falls Air Park Arpt	3 NM; 010° Deschutes	13,000	3 NM radius. 0800-2100.

PARACHUTE JUMPING AREAS

LOCATION	NEAREST VOR/VORTAC	ALTITUDE	REMARKS
	WASHINGTON		
) Coupeville NOLF	5 NM; 110° Penn Cove	12,500 AGL	2 NM radius. Occasional use.
Fort Lewis, Abrams Drop Zone	7.5 NM; 200° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Anzio Drop Zone	9 NM; 160° McChord	10,000	0.3 NM radius. Occasional use.
Fort Lewis, Dakto Drop Zone	7.5 NM; 175° McChord	10,000	0.3 NM radius. Occasional use.
Fort Lewis, Darby Drop Zone	8.5 NM; 097° Olympia	10,000	0.5 NM radius. Occasional use.
Fort Lewis, El Guettar Drop Zone	7.5 NM; 092° Olympia	10,000	0.3 NM radius. Occasional use.
Fort Lewis, Gray AAF (Joint Base			
Lewis-McChord) Drop Zone	6 NM; 210° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Marion Drop Zone	11 NM; 190° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Merrill Drop Zone	9 NM; 092° Olympia	10,000	0.5 NM radius. Occasional use.
Fort Lewis, Mytkina Drop Zone	10 NM; 065° Olympia	10,000	1 NM radius. Occsional use.
Fort Lewis, Point Salinas Drop Zone	7.5 NM; 201° McChord	10,000	1 NM radius. Occasional use.
Fort Lewis, Pointe De Hoc Drop Zone	11.5 NM; 192° McChord	10,000	0.25 NM radius. Occasional use.
Fort lewis, Rogers Drop Zone	7 NM; 155° McChord	10,000	0.5 NM radius. Occasional use.
Fort Lewis, Solo Drop Zone	6.5 NM; 245° McChord	10,000	1 NM radius. Occasional use.
Kennewick, Vista Field	5.1 NM; 217° Pasco	14,500	1 NM radius. SR-SS weekends,
			1700-SS weekdays, Apr-Nov.
(c) Larson Drop Zone	17 NM; 217° Moses Lake	3,000	Continuous. Personnel and hvy equip. Grant Co Intl Tower 126.4
Monroe, Firstair Fld	14 NM; 091° Paine	12,500	0.5 mi radius. Daily SR-SS.
(c) Richland Arpt	8 NM; 270° Pasco	13,000	2 NM radius. Continuous.
(c) Ritzville, West Plains Skydiving			
Drop Zone	36.4 NM; 207° Spokane	15,000	2 NM radius. SR-SS weekends, 1700-SS weekdays. Heavy use Apr-Nov.
(c) Shelton, Sanderson Fld Arpt	19 NM; 309° Olympia	14,000	2 NM radius. Daily 0800-2300.
(c) Snohomish, Harvey Fld	7 NM; 078° Paine	15,000	2 NM radius. Continuous.
(c) Snohomish, Harvey Fld	8 NM; 075° Paine	15,000	1 NM radius. Continuous.
(c) Spokane, Hayford Drop Zone	12 NM; 340° Spokane	10,000	0.5 NM radius. Occasional use.
(c) Tacoma, McChord Field (Joint Base			
Lewis-McChord)	28 NM, 181° Seattle	15,000	Weekends and occasional nights.

(c) Toledo, Ed Carlson Mem Fld-South

NW. 23 SEP 2010 to 18 NOV 2010

AERONAUTICAL CHART BULLETIN

The purpose of this bulletin is to provide major changes in aeronautical information that have occurred since the last publication date of each Sectional Aeronautical, VFR Terminal Area, and Helicopter Route Charts listed. The general policy is to include only those changes to controlled airspace and special use airspace that present a hazardous condition or impose a restriction on the pilot, and major changes to airports and radio navigational facilities, thereby providing the VFR pilot with the essential data necessary to update and maintain chart currency. The data is grouped by type and then by effective date. When a new edition of the Aeronautical Chart is published, the corrective tabulation will be removed from this bulletin. Inasmuch as this Bulletin provides major changes only, pilots should consult the airport listing in this directory for all new information. Users of U.S. World Aeronautical Charts (WAC) and U.S. Gulf Coast VFR Aeronautical Charts should consult the appropriate Sectional and VFR Terminal Area Charts for revisions.

Military Training Routes (MTRs) are shown on Sectional Aeronautical Charts, VFR Terminal Area, and Helicopter Route Charts. Only the route centerline, direction of flight and the route designator are shown — route widths and altitudes are not shown. Since these routes are subject to change every 56 days and the charts are reissued generally every 6 months, routes with a change in the alignment of the charted route centerline will be listed in this Aeronautical Chart Bulletin below. You are advised to contact the nearest FSS for route dimensions and current status for those routes affecting your flight.

BILLINGS SECTIONAL 80th Edition, 26 Aug 2010

OBSTRUCTIONS
23 Sep 2010 Ad

23 Sep 2010 Add obst 2638'MSL (389'AGL), 47°57'08"N, 101°16'31"W. Add obst 2629'MSL (389'AGL), 47°56'37"N, 101°17'17"W. Add obst 2336'MSL (315'AGL), 47°29'22"N, 101°28'56"W.

AIRPORTS

23 Sep 2010 No Major Changes.

NAVAID

23 Sep 2010 No Major Changes.

AIRSPACE

23 Sep 2010 No Major Changes.

SPECIAL USE AIRSPACE

23 Sep 2010 No Major Changes.

MILITARY TRAINING ROUTES

23 Sep 2010 No Major Changes.

MISCELLANEOUS

23 Sep 2010 No Major Changes.

CHEYENNE SECTIONAL 82nd Edition, 29 Jul 2010

OBSTRUCTIONS

29 Jul 2010 No Major Changes.

23 Sep 2010 Add obst 2890'MSL (349'AGL), 44°04'38"N, 102°26'47"W.

AIRPORTS

29 Jul 2010 No Major Changes.

23 Sep 2010 Delete ARTHUR arpt, 41°33′42″N, 101°42′41″W.

Delete GRANBY SPORTS ultralight flight park, 40°02′55″N, 105°56′18″W.

NAVAIDs

29 Jul 2010 - 23 Sep 2010 No Major Changes.

AIRSPACE

29 Jul 2010 - 23 Sep 2010 No Major Changes.

SPECIAL USE AIRSPACE

29 Jul 2010 - 23 Sep 2010 No Major Changes.

MILITARY TRAINING ROUTES

29 Jul 2010 - 23 Sep 2010 No Major Changes.

MISCELLANEOUS

29 Jul 2010 - 23 Sep 2010 No Major Changes.

GREAT FALLS SECTIONAL

79th Edition. 1 Jul 2010 29 Jul 2010 - 23 Sep 2010 No Major Changes.

AIRPORTS 29 Jul 2010 No Major Changes.

OBSTRUCTIONS

of Gallatin Field Airport.

SPECIAL USE AIRSPACE

MISCELLANEOUS

MILITARY TRAINING ROUTES 29 Jul 2010 No Major Changes. 23 Sep 2010 IR 479 Revised.

Airport.

23 Sep 2010 Delete SPENCER arpt. 45°50′19"N.116°39′33"W. Delete BEACON STAR arpt. 46°58′20″N.109°36′49″W. 29 Jul 2010 - 23 Sep 2010 No Major Changes.

a 5-mile radius of Boundary County Airport, Bonners Ferry, ID.

29 Jul 2010 - 23 Sep 2010 No Major Changes.

29 Jul 2010 - 23 Sep 2010 No Major Changes.

29 Jul 2010 Revise WEST YELLOWSTONE, MT Class E: That airspace extending upward from 700 feet

above the surface within 4.3 miles west and 8.3 miles east of the 026° and 206° bearings of the Yellowstone Airport extending from 8.3 miles northeast to 23.3 miles southwest of the Yellowstone

Airport; that airspace extending upward from 1,200 feet above the surface within 4.3 miles each side of the 209° bearing from 44°34′32″N, 111°11′51″W extending to 36.2 miles southwest, and within 5 miles north and 4.3 miles south of the 304° bearing from 44°34′32″N, 111°11′51″W extending to the east

44°34′32″N, 111°11′51″W extending to the east edge of V-343; that airspace extending upward from 12,000 feet MSL within a 30.5-mile radius of $44^{\circ}34'32''N$, $111^{\circ}11'51''W$ extending clockwise from the 026° bearing from $44^{\circ}34'32''N$, $111^{\circ}11'51''W$ to the 081° bearing from $44^{\circ}34'32''N$, $111^{\circ}11'51''W$; that airspace extending upward from 12,500 feet MSL within 4.3 miles each side of the 293°, 329° and 043° bearing from 45°00′19″N, 110°53′49″W extending to 25.16 miles west to 30.57 miles northwest to 54.24 miles north, and within 4.3 miles each side of the 312° bearing from 44°31′10″N, 111°14′03″W extending to 25.20 miles northwest, excluding that portion that overlies the east edge of V-343 and south edge of V-2 and V-86; that airspace extending upward from 13,000 feet MSL, within a 30,5-mile radius of 44°34′32″N, 111°11′51″W extending clockwise from the 313° bearing to the 026° bearing from 44°34'32"N, 111°11'51"W excluding that portion that overlies V-298 and V-343. This Class E airspace area shall be effective during the specific dates and times established in advance by a Notice to Airmen. The effective date and time will thereafter be continuously published in the Airport/Facility Directory. Add BONNERS FERRY, ID Class E: That airspace extending upward from 700 feet above the surface within

23 Sep 2010 Revise BOZEMAN, MT Class E: That airspace extending upward from the surface within 3 miles each side of the 316° bearing of Gallatin Field Airport, extending from the 4.4-mile radius of the airport to 14 miles northwest of Gallatin Field Airport; and that airspace 2.4 miles each side of the 212° bearing of the Gallatin Field Airport, extending from the 4.4-mile radius of the airport to 7 miles northwest

Revise BOZEMAN, MT Class E: That airspace extending upward from 700 feet above the surface within a 13.5-mile radius of Gallatin Field Airport, and within 4.8 miles northeast and 13 miles southwest of the 316° bearing of the airport extending from the 13.5-mile radius to 24.4 miles northwest of Gallatin Field

edge of V-343; that airspace extending upward from 10,700 feet MSL within a 25.3-mile radius of 44°34′32″N, 111°11′51″W extending clockwise from the 081° bearing from 44°34′32″N, 111°11′51″W to 4.3 miles east of the 236° bearing from 44°34'32"N, 111°11'51"W, and within 4.3 miles each side of the 236° bearing from 44°34′32″N, 111°11′51″W extending to 43.5 miles southwest; that airspace extending upward from 10,700 feet MSL within 9 miles south and 5 miles north of the 304° bearing from

NW. 23 SEP 2010 to 18 NOV 2010

83rd Edition, 23 Sep 2010 OBSTRUCTIONS 23 Sep 2010 No Major Changes.

KLAMATH FALLS SECTIONAL

23 Sep 2010 No Major Changes. 23 Sep 2010 No Major Changes.

23 Sep 2010 No Major Changes.

268

AIRPORTS

AIRSPACE

NAVAIDs

AIRSPACE

MISCELLANEOUS

SPECIAL USE AIRSPACE 23 Sep 2010 No Major Changes.

MILITARY TRAINING ROUTES

23 Sep 2010 No Major Changes.

23 Sep 2010 No Major Changes.

SALT LAKE CITY HELICOPTER ROUTE CHART

3rd Edition, 26 Oct 2006

OBSTRUCTIONS 23 Nov 2006 - 23 Sep 2010 No Major Changes. **AIRPORTS**

23 Sep 2010 No Major Changes.

SPECIAL USE AIRSPACE

MILITARY TRAINING ROUTES

23 Nov 2006 - 10 Apr 2008 No Major Changes. **5 Jun 2008** Delete PAYNE arpt, 41°05′54″N, 112°06′56″W. Delete WARD heli, 40°35′59"N, 111°48′03"W.

31 Jul 2008 - 25 Sep 2008 No Major Changes. 20 Nov 2008 Delete CHANNEL 4 heli, 40°43′57″N, 111°57′20″W.

15 Jan 2009 - 3 Jun 2010 No Major Changes. 29 Jul 2010 CAMP WILLIAMS ANG arpt abandoned, 40°25′55″N, 111°55′51″W.

23 Nov 2006 - 23 Sep 2010 No Major Changes.

23 Nov 2006 - 23 Sep 2010 No Major Changes.

23 Nov 2006 - 23 Sep 2010 No Major Changes.

23 Nov 2006 - 23 Sep 2010 No Major Changes.

MISCELLANEOUS 23 Nov 2006 - 23 Sep 2010 No Major Changes.

83rd Edition, 8 Apr 2010

SALT LAKE CITY SECTIONAL

Delete LOGAN VOR-DME, 41°50'39"N, 111°51'55"W,

29 Jul 2010 - 23 Sep 2010 No Major Changes.

OBSTRUCTIONS

of designation.

SPECIAL USE AIRSPACE

MISCELLANEOUS

MILITARY TRAINING ROUTES

published in the Airport/Facility Directory.

8 Apr 2010 - 23 Sep 2010 No Major Changes.

8 Apr 2010 - 23 Sep 2010 No Major Changes.

8 Apr 2010 - 23 Sep 2010 No Major Changes.

AIRPORTS

AIRSPACE

8 Apr 2010 No Major Changes. 3 Jun 2010 Add BATTLE MOUNTAIN, NV Class E: Within a 4.2-mile radius of Battle Mountain Airport, and

within 1.4 miles each side of the 218° bearing extending from the 4.2- mile radius to 7.4 miles

southwest of the Battle Mountain Airport. This Class E airspace area is effective during the specific dates

and times established in advance by a Notice to Airmen. The effective date and time will thereafter be continuously published in the Airport/Facility Directory.

8 Apr 2010 No Major Changes. **3 Jun 2010** Delete ARCO NDB, 43°35′57″N, 113°20′32″W.

29 Jul 2010 Revise WEST YELLOWSTONE, MT Class E: That airspace extending upward from 700 feet above the surface within 4.3 miles west and 8.3 miles east of the 026° and 206° bearings of the Yellowstone Airport extending from 8.3 miles northeast to 23.3 miles southwest of the Yellowstone Airport; that airspace extending upward from 1,200 feet above the surface within 4.3 miles each side of the 209° bearing from 44°34′32″N, 111°11′51″W extending to 36.2 miles southwest, and within 5 miles north and 4.3 miles south of the 304° bearing from 44°34′32″N, 111°11′51″W extending to the east edge of V-343; that airspace extending upward from 10,700 feet MSL within a 25.3-mile radius of 44°34'32"N, 111°11'51"W extending clockwise from the 081° bearing from 44°34'32"N, 111°11'51"W to 4.3 miles east of the 236° bearing from 44°34'32"N, 111°11'51"W, and within 4.3 miles each side of the 236° bearing from 44°34′32″N. 111°11′51″W extending to 43.5 miles southwest: that airspace extending upward from 10,700 feet MSL within 9 miles south and 5 miles north of the 304° bearing from 44°34′32″N, 111°11′51″W extending to the east edge of V-343; that airspace extending upward from 12,000 feet MSL within a 30.5-mile radius of 44°34′32″N, 111°11′51″W extending clockwise from the 026° bearing from 44°34'32"N, 111°11'51"W to the 081° bearing from 44°34'32"N, 111°11'51"W; that airspace extending upward from 12,500 feet MSL within 4.3 miles each side of the 293°, 329° and 043° bearing from 45°00'19"N, 110°53'49"W extending to 25.16 miles west to 30.57 miles northwest to 54.24 miles north, and within 4.3 miles each side of the 312° bearing from 44°31′10″N, 111°14′03″W extending to 25.20 miles northwest, excluding that portion that overlies the east edge of V-343 and south edge of V-2 and V-86; that airspace extending upward from 13,000 feet MSL, within a 30.5-mile radius of 44°34′32″N, 111°11′51″W extending clockwise from the 313° bearing to the 026° bearing from 44°34'32"N, 111°11'51"W excluding that portion that overlies V-298 and V-343. This Class E airspace area shall be effective during the specific dates and times established in advance by a Notice to Airmen. The effective date and time will thereafter be continuously published in the Airport/Facility Directory. 23 Sep 2010 Revise LUCIN, UT Class E: That airspace extending upward from 1,200 feet above the surface bounded on the west by V-269; on the east by V-484; and on the south by V-32; excluding existing controlled airspace 8,500 feet MSL and above; excluding that airspace designated for federal airways; excluding the portions within Restricted Area R-6404 and Lucin MOA during their published hours

Establish KEMMERER, WY Class E: Within a 4.3-mile radius of the Kemmerer Municipal Airport, and within 1 mile each side of the 360° bearing from the airport, extending from the 4.3-mile radius to 7 miles north of the airport. This Class E airspace area is effective during the specific dates and times established in advance by a Notice to Airmen. The effective date and time will thereafter be continuously

NW. 23 SEP 2010 to 18 NOV 2010

8 Apr 2010 - 23 Sep 2010 No Major Changes.

269

8 Apr 2010 - 3 Jun 2010 No Major Changes. **29 Jul 2010** CAMP WILLIAMS ANG arpt abandoned, 40°25′55″N, 111°55′51″W. **23 Sep 2010** No Major Changes.

AERONAUTICAL CHART BULLETIN

SALT LAKE CITY TERMINAL AREA CHART 42nd Edition, 8 Apr 2010

OBSTRUCTIONS

AIRPORTS

NAVAIDs

8 Apr 2010 - 23 Sep 2010 No Major Changes.

8 Apr 2010 - 3 Jun 2010 No Major Changes.

29 Jul 2010 CAMP WILLIAMS ANG arpt abandoned, 40°25'55"N, 111°55'51"W. 23 Sep 2010 No Major Changes.

8 Apr 2010 - 23 Sep 2010 No Major Changes. AIRSPACE 8 Apr 2010 - 29 Jul 2010 No Major Changes.

23 Sep 2010 Revise LUCIN, UT Class E: That airspace extending upward from 1,200 feet above the

surface bounded on the west by V-269; on the east by V-484; and on the south by V-32; excluding

existing controlled airspace 8,500 feet MSL and above; excluding that airspace designated for federal airways; excluding the portions within Restricted Area R-6404 and Lucin MOA during their published hours

8 Apr 2010 - 23 Sep 2010 No Major Changes.

8 Apr 2010 - 23 Sep 2010 No Major Changes.

8 Apr 2010 - 23 Sep 2010 No Major Changes.

Change obst from 2816'MSL (255'AGL) to 2938'MSL (389'AGL), 46°57'13"N, 120°12'50"W.

SEATTLE SECTIONAL 79th Edition. 3 Jun 2010

OBSTRUCTIONS 3 Jun 2010 No Major Changes.

AIRSPACE

beginning.

of designation. SPECIAL USE AIRSPACE

MISCELLANEOUS

MILITARY TRAINING ROUTES

Add obst 760'MSL (389'AGL), 46°47'38"N, 124°04'07"W. 23 Sep 2010 Add obst 829'MSL (389'AGL), 46°47'29"N, 124°03'44"W. **AIRPORTS**

3 Jun 2010 No Major Changes. 29 Jul 2010 Delete KENT arpt, 46°52'24"N, 119°07'49"W.

29 Jul 2010 Add obst 2919'MSL (389'AGL)UC, 46°57'20"N, 120°12'56"W.

Delete COUGAR FLAT arpt, 46°17'33"N, 122°57'01"W. 23 Sep 2010 Delete SPENCER arpt, 45°50′20″N, 116°39′34″W. Delete BARRETT arpt, 45°49'16"N, 118°29'53"W

Add RP35 to TACOMA NARROWS arpt, 47°16'05"N, 122°34'41"W.

3 Jun 2010 No Major Changes.

29 Jul 2010 Change DEER PARK NDB freq from 216 to 365, 47°58'04"N, 117°25'35"W.

Add CANYON NDB, freq 388, ident (CRK) 47°40'37"N, 117°27'00"W.

23 Sep 2010 No Major Changes.

3 Jun 2010 No Major Changes.

48°17'48"N, 124°00'43"W Vancouver FIR boundary to 48°40'58"N, 124°00'43"W thence

CONTROL AREA EXTENSION: The airspace from 700 ' AGL within the area bounded by a line beginning at

124°00′43″W point of beginning.

29 Jul 2010 Add BONNERS FERRY, ID Class E: That airspace extending upward from 700 feet above the surface within a 5-mile radius of Boundary County Airport, Bonners Ferry, ID.

counter-clockwise along the arc of a circle of 45 miles radius centered on 49°11'42"N, 123°10'55"W to 48°30′45″N, 123°38′59″W to 48°22′19″N, 123°29′12″W thence counter-clockwise along the arc of a circle of 5 miles radius centered on 48°25'22"N. 123°23'15"W to 48°20'53"N. 123°26'34"W to 48°17′03″N, 123°14′54″W thence westerly along the Vancouver FIR boundary to 48°17′48″N,

Revise VANCOUVER FLIGHT INFORMATION REGION, SOUTH VANCOUVER ISLAND, BC CONTROL AREA EXTENSION: The airspace 1,600 ' AGL to 12,500 ' within the area bounded by a line beginning at 48°17′48″N, 124°00′43″W thence westerly along the Vancouver FIR boundary to 48°29′36″N, 124°43′38″W to 48°47′13″N, 125°12′39″W thence counter-clockwise along the arc of a circle of 25 miles radius centered on 49°02'49"N, 125°42'15"W to 49°10'45"N, 125°06'11"W thence

counter-clockwise along the arc of a circle of 35 miles radius centered on 49°45′14″N, 124°57′29″W to

23 Sep 2010 Revise VANCOUVER FLIGHT INFORMATION REGION, SOUTH VANCOUVER ISLAND, BC

 $49^{\circ}15'10''N,\,124^{\circ}30'06''W$ thence northeasterly along the Comox, BC MTCA boundary to $49^{\circ}19'04''N,\,124^{\circ}18'39''W$ thence counter-clockwise along the arc of a circle of 45 miles radius centered on 49°11′42″N, 123°10′55″W to 48°40′58″N, 124°00′43″W to 48°17′48″N, 124°00′43″W point of

CONTINUED ON NEXT PAGE

Revise KELSO, WA Class E: That airspace extending upward from 700 feet above the surface within a 6.4-mile radius of the Southwest Washington Regional Airport, and 2.4 miles each side of the 290° bearing of the airport extending 9.1 miles west, and 4.3 miles each side of the 337° bearing of the

airport extending 22.2 miles northwest, and 5.8 miles west and 3 miles east of the 012° bearing of the airport extending 18.2 miles north of the airport. SPECIAL USE AIRSPACE 3 Jun 2010 - 23 Sep 2010 No Major Changes.

3 Jun 2010 - 23 Sep 2010 No Major Changes.

MISCELLANEOUS 3 Jun 2010 - 23 Sep 2010 No Major Changes.

MILITARY TRAINING ROUTES

SEATTLE TERMINAL AREA CHART 74th Edition. 3 Jun 2010

OBSTRUCTIONS 3 Jun 2010 -23 Sep 2010 No Major Changes.

3 Jun 2010 - 29 Jul 2010 No Major Changes. 23 Sep 2010 Add RP35 to TACOMA NARROWS arpt, 47°16'05"N, 122°34'41"W.

3 Jun 2010 - 23 Sep 2010 No Major Changes.

AIRSPACE

3 Jun 2010 - 23 Sep 2010 No Major Changes.

SPECIAL USE AIRSPACE 3 Jun 2010 - 23 Sep 2010 No Major Changes.

MILITARY TRAINING ROUTES 3 Jun 2010 - 23 Sep 2010 No Major Changes.

MISCELLANEOUS 3 Jun 2010 - 23 Sep 2010 No Major Changes.

SUPPLEMENTAL COMMUNICATION REFERENCE

Contained within this tabulation, and listed alphabetically by airport name, are all private—use airports charted on the U.S. IFR Enroute Low and High Altitude charts in the United States, having terminal approach and departure control facilities. Additionally, listed by country, are all Canadian and Mexican airports that appear on the U.S. IFR Enroute charts with approach and departure control services. All frequencies transmit and receive unless otherwise noted. Radials defining sectors are outbound from the facility.

UNITED STATES

UNITED STATES	
ACILITY NAME	CHART & PANEI
Frankfort, IL (LL4Ø)	L-28H
Chicago App/Dep Con 133.1 285.6	
Glasgow Industrial, MT (Ø7MT)	H-1E, 2F, L-13D
Salt Lake Center App/Dep Con 126.85 305.2	1 400
USAF Academy Bullseye Aux Airstrip, CO (CO9Ø)	L-10F
ASOS 118.325 West Kentucky Airpark, KY (5KY3)	L-16
Memphis Center App/Dep Con 133.65 292.15	L-10
William P Gwinn, FL (Ø6FA)	H-8I, L-230
Gwinn Tower 120.4 279.25 (Mon–Fri 1300–2100Z‡)	11 01, 2 200
Gnd Con 121.65 279.25	
CILITY NAME	CHART & PANEL
Abbotsford, BC (CYXX)	H-1B, L-12F
ATIS 119.8 (1500–0700Z‡)	H-1B, L-12F
Victoria Trml App/Dep Con 132.7 (Avbl on ground) 290.8	
Tower 119.4 (Inner) 121.0 (Outer) 295.0 (1500–0700Z‡) Gnd Con 121.8	
MF 119.4 295.0 (0700–1500Z‡) (Shape irregular to 4500')	
Amos/Magny, QC (CYEY)	H-11B
Montreal Center App/Dep Con 125.9	111
Atikokan Muni, ON (CYIB)	L-14
MF 122.3 (5 NM to 4500' No ground station)	
Barrie-Orillia (Lake Simcoe Rgnl), ON (CYLS)	H-11B, L-31C
AWOS 122.55 (Pvt)	
Toronto Center App/Dep Con 124.025	
Bar River, ON (CPF2)	L-310
Toronto Center App/Dep Con 132.65	
Bathurst, NB (CZBF)	L-32J
Moncton Center App/Dep Con 134.25	
Boundary Bay, BC (CZBB)	H-1B, L-1E
ATIS 125.5 (1500–0700Z‡)	
Vancouver App/Dep Con 132.3 363.8	
Tower 118.1 (Inner) 127.6 (Outer) (1500–0700Z‡) Gnd Con 124.3	
MF 118.1 (0700–1500Z‡ to 2000'. Vancouver Trml 125.2 above 2000'. Shape irregular to 2500'.)	
Brampton, ON (CNC3)	L-310
Toronto Trml App/Dep Con 119.3 253.1	L-310
Brandon Muni, MB (CYBR)	H-2H
Winnipeg Center App/Dep Con 132.25 285.4	
MF 122.1 (5 NM to 4000')	
Brantford, ON (CYFD)	L-310
Toronto Trml App/Dep Con 128.27	
Brockville-Thousand Islands Rgnl Tackaberry, ON (CNL3)	L-320
Montreal Center App/Dep Con 134.675	
Bromont, QC (CZBM)	L-320
Montreal Center App/Dep Con 132.35 MF 122.15 (5 NM to 3400')	
Burlington Airpark, ON (CZBA)	L-310
Toronto Center App/Dep Con 119.3 253.1	
Castlegar/West Kootenay Rgnl, BC (CYCG)	H-10
Vancouver Center App/Dep Con 134.2 227.3	
MF 122.1 (5 NM to 6500')	
Centralia/James T. Fld Muni, ON (CYCE)	H-10G, 11B, L-31D
Toronto Center App/Dep Con 135.30	
Charlottetown, PE (CYYG)	H-11E, L-32J
Moncton Center App/Dep Con 135.65 384.8 MF 118.0 (5 NM to 3200')	11 400 1 222
Chatham-Kent, ON (CNZ3)	H-10G, L-30G
Cleveland Center App/Dep Con 132.25	

SUPPLEMENTAL COMMUNICATION REFERENCE	273
FACILITY NAME	CHART & PANEL
Collingwood, ON (CNY3)	H-11B, L-31D
Toronto Center App/Dep Con 124.02	
Cornwall Rgnl, ON (CYCC)	L-32G
Boston Center App/Dep Con 135.25 377.1	
Cranbrook/Canadian Rockies Intl, BC (CYXC) Vancouver Center App/Dep Con 133.6 MF 122.3 (5 NM to 6100')	H-1C
Debert, NS (CCQ3)	H-11E, L-32J
Halifax Trml App/Dep Con 119.2	11 112, 2 025
Digby, NS (CYID)	L-32J
Moncton Center App/Dep Con 123.9	
Downsview, ON (CYZD)	H-11B, L-31E
Toronto Center App/Dep Con 133.4	
MF 126.2 (1300–2300Z‡, 3 NM to 1700′) Drummondville, QC (CSC3)	L-32H
Montreal Center App/Dep Con 132.35	L=3211
Earlton (Timiskaming Rgnl), ON (CYXR)	H-11B
MF 122.0 (5 NM to 3800')	
AWOS 128.6	
Elliot Lake Muni, ON (CYEL)	L-31C
Toronto Center App/Dep Con 135.4	
Fort Frances Muni, ON (CYAG)	L-14H
Minneapolis Center App/Dep Con 120.9	U 445 L 001
Fredericton Intl, NB (CYFC) ATIS 127.55 (1045–0245Z‡, OT AWOS)	H-11E, L-32I
Moncton Center App/Dep Con 124.3 135.5 270.8	
Tower 119.0 (1045–0245Z‡) Gnd Con 121.7 (1045–0245Z‡)	
MF 119.0 (0245–1045Z‡, 5 NM to 3500′)	
Goderich, ON (CYGD)	H-11B, L-31D
Toronto Center App/Dep 135.3 266.3	
Greenwood, NS (CYZX)	H-11E, L-32J
ATIS 128.85 244.3 (1100-0000Z‡)	
App/Dep Con 120.6 335.9 Tower 119.5 126.2 236.6 324.3	
Gnd Con 133.75 289.4 Clnc Del 128.025 283.9 Grimsby Air Park, ON (CNZ8)	L-31E
Toronto Trml App/Dep Con 128.27 268.75 Tower 125.0 308.475	L-31L
Halifax/Shearwater, NS (CYAW)	H-11E, L-32J
ATIS 129.175 (Ltd hrs)	,
App/Dep Con 119.2 MF Shearwater Advisory 119.0 126.2 340.2 360.2 (Ltd hrs)	
Gnd Con 121.7 250.1	
Halifax/Stanfield Intl, NS (CYHZ)	H-11E, L-32J
ATIS 121.0	
Moncton Center App/Dep Con 118.7 119.2 128.55 135.3 363.8	
Tower 118.4 236.6 Gnd Con 121.9 275.8 Clnc Del 123.95 Apron Advisory 122.125	
Hamilton, ON (CYHM)	H-10H, 11B, L-11B
ATIS 128.1	,,
Toronto Trml App/Dep Con 128.27 268.75 Tower 119.7 125.0	
Gnd Con 121.6	
Kingston, ON (CYGK)	H-11C, L-31E, 32F
Montreal Center App/Dep Con 135.05 398.4 (0400-1115Z‡)	
MF 122.5 (1115–0400Z‡ 5 NM to 3300′)	
Kitchener/Waterloo, ON (CYKF)	H-11B, L-31D
ATIS 125.1 (1200–04007‡) Toronto Trml App/Dep Con 128.275	
Waterloo Tower 126.0 118.55 (1200–0400Z‡) Gnd Con 121.8	
MF 126.0 (0400–1200Z‡ 5 NM to 4000′)	
Lachute, QC (CSE4)	L-32G
Montreal Center App Con 124.65 132.85 268.3	
Montreal Center Dep Con 132.85 268.3	
La Tuque, QC (CYLQ)	H-11C
Montreal Center App/Dep Con 134.5	
Langley, BC (CYNJ)	L-1E
ATIS 124.5 (1630–0230Z, DT 1530–0330Z)	
Victoria Trml App/Dep Con 132.7 290.8 Tower 119.0 (1630–0230Z, DT 1530–0330Z)	
Ord Con 121 0 ME 110 0 (0220 16207 DT 0220 15207 2 NM to 1000')	

Gnd Con 121.9 MF 119.0 (0230–1630Z, DT 0330–1530Z 3 NM to 1900')

SUPPLEMENTAL COMMUNICATION REFERENCE	
CILITY NAME	CHART & PA
Leamington, ON (CLM2) Cleveland Center App/Dep Con 132.45	L-V
Lethbridge, AB (CYQL)	H-
ATIS 124.4 (1300-0545Z‡)	
Edmonton Center App/Dep Con 132.75 265.2 MF 121.0 (5 NM to 6000')	
Lindsay, ON (CNF4) Toronto Center App/Dep 134-25	L-31E, L-3
Toronto Center App/Dep 134.25 Liverpool/South Shore Rgnl, NS (CYAU)	L=3
Moncton Center App/Dep Con 123.9	=
London, ON (CYXU)	H-10G, 1
ATIS 127.8 (1120-0345Z‡)	L-30G, 3
Toronto Center App/Dep 135.3 135.625	
Tower 119.4 125.65 (1120–0345Z‡) Gnd Con 121.9 MF 119.4 (0345–1120Z‡ 5 NM to 3000°)	
MF 119.4 (0345–1120Z‡ 5 NM to 3000') Manitowaning/Manitoulin East Muni, ON (CYEM)	L-3
Toronto Center App/Dep 135.4 260.9	
Maniwaki, QC (CYMW)	L-3
Montreal Center App/Dep Con 126.57	
Mascouche, QC (CSK3)	L-3
MF 122.35 (5 NM to 2500'. No gnd station. Excluding the portion S of the	
N shore of Riviere des Milles-lles and 1 NM around Lac Agile Mascouche arpt.) Madieine Hat AR (CYYH)	— н
Medicine Hat, AB (CYXH) AWOS 124.875 (0345–1245Z‡)	H-
MF 122.2 (1245–0345Z‡ 5 NM to 5400')	
Midland/Huronia, ON (CYEE)	L=3
Toronto Center App/Dep 124.025	
Miramichi, NB (CYCH)	H-11E, L-
Moncton Center App/Dep Con 123.7	U 11E I
Moncton/Greater Moncton Intl, NB (CYQM) ATIS 128.65	H-11E, L-
App/Dep 124.4 Tower 120.8 236.6 Gnd Con 121.8 275.8	
Apron Advisory 122.075	
Mont-Laurier, QC (CSD4)	L=3
Montreal Center App/Dep Con 126.57	** 442 401/ 1
Montreal Intl (Mirabel), QC (CYMX) ATIS 125.7	H-11C, 12K, L-3
ATIS 125.7 Montreal Center App Con 124.65 132.85 268.3	
Montreal Dep Con 132.85 268.3	
MF 119.1 (7 NM shape irregular to 2000') VFR Advisory 134.15	
Montreal/Pierre Elliott Trudeau Intl, QC (CYUL)	H-11C, 12K, L-
ATIS 133.7	
Montreal Trml App Con 118.9 124.65 126.9 132.85 268.3	
Tower 119.9 267.1 Gnd Con 121.9 275.8 Clnc Del 125.6 Apron 122.075 Montreal Trml Dep Con 118.9 (SE–S–SW) 124.65 (W–NW–NE) 268.3	
Montreal I'mi Dep Con 118.9 (SE-S-SW) 124.65 (W-NW-NE) 268.3 VFR Advisory 134.15	
Montreal/St-Hubert, QC (CYHU)	H-11C, L-
ATIS 124.9 (Apr-Oct 1045-0500Z‡, Nov-Mar 1045-0400Z) AWOS 124.9	
Montreal Center App/Dep Con 125.15 268.3	
St. Hubert Tower 118.4 (Apr-Oct 1045–0500Z‡, Nov-Mar 1045–0400Z)	
Gnd Con 126.4 MF 118.4 (Apr-Oct 0500-1045Z‡, Nov-Mar 0400-1045Z 5 NM shape irregular to 2500') VFR Advisory 134.15	
Muskoka, DN (CYQA)	H-11B, L-
AWOS 124.575 Timmins Radio App/Dep Con 122.3	• •
MF 122.3 (5 NM to 3900')	
Nanaimo, BC (CYCD)	H–1B, L
Victoria Trml App/Dep 120.8 133.95 252.3 MF 122.1 291.8 1330-0530Z‡ (5 NM	to
2500') North Bay, ON (CYYB)	H–11B, L
ATIS 124.9 (1130-0330Z‡)	11-110, 0
Toronto Center App/Dep 121.225 127.25	
MF 118.3 (1130–0330Z‡ 7 NM to 5000′)	
Oshawa, ON (CYOO)	L-
ATIS 125.675 (1130-0330Z‡)	
Toronto Trml App/Dep Con 133.4	
Tower 120.1 (1130–0330Z‡) Gnd Con 118.4 MF 120.1 (0330–1130Z‡ 5 NM to 3000')	
MF 120.1 (U330-11302+ 3 NIVI to 3000)	

275

CHART & PANEL

H-11C, L-32G

L-31D

L-30F

H-1R

H-1D

L-1E

H-11D, L-32H

H-11D

H-11B

H-11E, L-32J

H-2K, L-31B

H-11D, L-32H

L-31E, 32F

H-2H

H-10G, 11B, L-30F

H-11C, L-31E, 32F

H-11B, L-31E, 32F

L-31E, 32F

VFR Advisory Ottawa Trml 127.7 Ottawa/MacDonald-Cartier Intl, ON (CYOW) ATIS 121.15 Ottawa App Con 135.15 Tower 118.8 (VFR South) 120.1 (VFR North) 118.8 341.3 Gnd Con 121.9 Clnc Del 119.4 Ottawa Dep Con 128.175

Owen Sound/Billy Bishop Rgnl, ON (CYOS)

Toronto Center App/Dep 132.575 290.6 Pelee Island, ON (CYPT)

Cleveland Center App/Dep Con 126.35 360.0

Pembroke, ON (CYTA) Montreal Center App/Dep Con 135.2

Petawawa Advisory 126.4 250.1 (Mon-Fri 1300-2130Z‡, OT PPR) Penticton, BC (CYYF)

FACILITY NAME

ATIS 121.15

Vancouver Center App/Dep Con 133.5 351.3 MF 118.5 (5 NM to 4100') AWOS 126.925 Toronto Center App/Dep 134.25

Peterborough, ON (CYPQ) Edmonton Center App/Dep Con 132.75 265.2

Pincher Creek, AB (CZPC) Pitt Meadows, BC (CYPK) ATIS 125.0 (1500-0700Z‡)

Vancouver Center App Con 128.6 352.7 (Outer) Vancouver Center Dep Con 132.3 363.8 (South) MF 126.3 (0700-1500Z‡) (3NM to 2500')

Pitt Tower 126.3 (1500-0700Z‡) Gnd Con 123.8 Quebec/Jean Lesage Intl, QC (CYQB) ATIS 134 6

AWOS 122.025 (Pvt)

Montreal Center App/Dep Con 124.0 127.85 135.025 270.9 322.8 Tower 118.65 236.6 Gnd Con 121.9 250.0 AWOS 122.025 (Pvt)

Riviere Du Loup, QC (CYRI) Montreal Center App/Dep Con 125.1 299.6 Rouyn Noranda, QC (CYUY)

Montreal Center App/Dep Con 125.9 MF 122.2 (5 NM to 4000')

Saint John, NB (CYSJ)

Moncton Center App/Dep Con 124.3 135.5 270.8 MF 118.5 (5 NM to 3400') Sarnia (Chris Hadfield), ON (CYZR)

AWOS 119.125

Tower 118.8 (1300-0100Z‡) Gnd Con 121.7 (1300-0100Z‡) MF 118.8 (0100-1300Z‡ 5 NM irregular shape to 3000')

ATIS 120.85 (Mon-Fri 1400-2300Z‡ except holidays) Tower 126.2 384.2 (Mon-Fri 1400-2300Z‡ except holidays)

Montreal Center App/Dep Con 132.55 MF 123.5 (Ltd hrs 5 NM to 3800')

NW. 23 SEP 2010 to 18 NOV 2010

Toronto Center App/Dep Con 134.375 Sault Ste Marie, ON (CYAM)

ATIS 133.05 (1300-0100Z±)

Toronto Center App/Dep Con 132.65 344.5

Sherbrooke, QC (CYAM)

South Renfrew Muni, ON (CNP3)

Gnd Con 121.7 275.8

Montreal Center App/Dep 124.275

AWOS 126.25

Southport, MB (CYPG)

CILITY NAME Springwater Barrie Air	park, ON (CNA3)	CHART & PA L-3
Toronto Center A	App/Dep Con 124.025	
St. Catherines/Niagara		H-10H, 11B, L-3
ATIS 128.525 (1	• • • • • • • • • • • • • • • • • • • •	
	p/Dep Con 133.4 253.1 L5–0200Z‡ 5 NM to 3300′)	
St. Frederic, QC (CSZ		L-3
Montreal Center	App/Dep Con 135.025 270.9	
St. Georges, QC (CYS		H-32H, L-1
Montreal Center MF 122.15 (5 N	App/Dep Con 132.35 M 3900' ASL)	
MF 122.15 (5 N St. Jean, QC (CYJN)	M 3900' ASL)	L-3
	App/Dep Con 125.15 268.3	
Tower 118.2 (Ap	or-Oct 1230-0230Z‡ Nov-Mar 1300-0200Z‡)	
Gnd Con 121.7		
Sudbury, ON (CYSB) ATIS 127 4		H-31B, 10G, L-3
ATIS 127.4 Toronto Center A	App/Dep Con 135.5	
MF 125.5 (7 NM		
Summerside, PE (CYS	SU)	H-11E, L-3
AWOS 122.55 (F	Pvt)	
	App/Dep Con 124.4 384.8	4 21 1-4
Thunder Bay, ON (CYC ATIS 128.8 (110	• /	H-2J, L-1
	r App/Dep Con 132.125	
	100-0400Z‡) Gnd Con 121.9 (1100-0400Z‡)	
App/Dep 119.2	MF 118.1 (0400-1100Z‡ 5 NM to 4000')	
Timmins/Victor M. Pow		H-1
ATIS 124.95 (10	000-0500Z‡) App/Dep Con 128.3 MF 122.3 (5 NM to 4000')	
Toronto Center A Toronto/Buttonville Mu	****	L=3
ATIS 127.1 (120		
Toronto Trml App	p/Dep Con 133.4	
Tower 124.8 11	9.9 (1200-0400Z‡) Gnd Con 121.8 (1200-0400Z‡)	
	D-1200Z‡ No gnd station. 5 NM shape irregular to below 2500')	1_3
Toronto/Billy Bishop To ATIS 133.6 (113	oronto City Airport, ON (CYTZ) 30-0400Z±)	L=3
App/Dep Con 13		
Tower 118.2 11	9.2 (1130-0400Z‡) Gnd Con 121.7	
Toronto/Lester B Pears		H-11B, L-3
ATIS 120.825	17 17 17 18 10 107 17 17 100 0	
	75 125.4 132.8 Dep Con 127.575 128.8	
Tower 118.35 1 Clnc Del 121.3 (.18.7 Gnd Con 119.1 121.65 121.9 (1200-0400Z±)	
Trenton, ON (CYTR)	1200-04002+1	H-11C, L-31E,
ATIS 135.45 25		
	28.4 324.3 Tower 128.7 236.6 Gnd Con 121.9 275.8	
Cinc Del 124.35 Trenton/Mountain View		H-11C. L-31E.
Trenton/Mountain View		11-110, 2 0,
Trois-Rivieres, QC (C)	•	H-11C, L-3
Montreal Center	App/Dep Con 128.225 229.2	
MF 123.0 (5 NN		ш
Val-D'or, QC (CYVO) Montreal Center	1 (0) 0 2 405 0 000 0	H-1
	^ App/Dep Con 125.9 308.3 D-0325Z‡ 5 NM to 4000')	
Vancouver Intl, BC (C)		H–1B, L-
ATIS 124.6 124	.75	
App Con 128.6	128.17 352.7 (Outer) 133.1 134.225 352.7 (Inner)	
	25 (north) 132.3 (south) 363.8	
Tower 118.7 (Sc	outh) 119.55 (north) VFR 124.0 125.65 226.5 236.6	
	(south) 127.15 (north) 275.8 Clnc Del 121.4	

SUPPLEMENTAL COMMUNICATION REFERENCE	277
FACILITY NAME	CHART & PANEL
Victoria Intl, BC (CYYJ)	H-1B, L-1E
ATIS 118.8 (1400-0800Z‡)	
App Con 125.95 Dep Con 133.85	
Tower 119.1 (Outer) 119.7 (Inner) 239.6	
Gnd Con 121.9 361.4 (1400–0800Z‡ OT ctc Kamloops 119.7)	
Cinc Del 126.4 (1400-0800Z‡)	
Victoriaville, QC (CSR3)	L-32H
Montreal Center App Con 132.35	
Waterville/Kings Co Muni, NS (CCW3)	L-32J
Greenwood Trml App/Dep Con 120.6 335.9	
Greenwood Tower 119.5 324.3	
Wiarton, ON (CYVV)	H-11B, L-31D
Toronto Center App/Dep Con 132.575	11-11D, L-01D
MF 122.2 (5 NM to 3700')	
Windsor, DN (CYOG)	H-10G, L-8J
	H-100, L-05
ATIS 134.5 (1130–0330Z‡)	
Detroit App/Dep Con 126.85 127.5 134.3 348.3 363.2	
Tower 124.7 (1130–0330Z‡) Gnd Con 121.7 (1130–0330Z‡)	
MF 124.7 (0330–1130Z‡ 6 NM irregular shape to below 3000')	
VFR Advisory Detroit App Con 134.3	
Yarmouth, NS (CYQI)	H-11E, L-32I
Moncton Center App/Dep Con 123.9 368.5 MF 123.0 (5 NM to 3100')	
MEXICO	
FACILITY NAME	CHART & PANEL
Abraham Gonzalez Intl (MMCS)	H-4K, L-6F
Juarez App Con 119.9 Juarez Tower 118.9	
Del Norte Intl (MMAN)	H-7B, L-20G
ATIS 127.55 (1300-0300Z‡)	
Monterrey App 119.75 120.4 Tower 118.6	
Durango Intl (MMDO)	H-7A
ATIS 132.1	
Tower 118.1 Durango Info 122.3	
General Abelardo L Rodriguez Intl (MMTJ)	H-4H, L-4H
ATIS 127.9	** *
Tijuana App Con 119.5 120.3 Tijuana Tower 118.1 Tijuana Clnc Del 122.35	
Tijuana Info 132.1	
General Lucio Blanco Intl (MMRX)	H-7B, L-20H
Reynosa App Con 118.8 Reynosa Tower 118.8	11 10, 2 20
General Mariano Escobedo Intl (MMMY)	H–7B, L–20G
GENERAL MARIANO ESCOREGO INTI (MIMIMIY) ATIS 127.7	N-10, L-200
Monterrey App Con 119.75 120.4 Monterrey Tower 118.1 Gnd Con 121.9	
General R Fierro Villalobos Intl (MMCU)	L-61
ATIS 127.9	
Chihuahua App Con 121.0 Chihuahua Tower 118.4	
General Rodolfo Sanchez Taboada Intl (MMML)	H-4H, L-4J, 5A
ATIS 127.6	
Mexicali App Con 118.2 Mexicali Tower 118.2 Mexicali Info 123.9 122.3	
General Servando Canales Intl (MMMA)	H-7C, L-21A
Matamoros App Con 118.0 Matamoros Tower 118.0	
Plan De Guadalupe Intl (MMIO)	H-7B
Saltillo App Con 127.4 Saltillo Tower 118.4	
Quetzalcoati Inti/Nuevo Laredo Inti (MMNL)	H-7B, L-20G
Nuevo Laredo App Con 118.3 Nuevo Laredo Tower 118.3	** * *
Tarraga Intl (MMTC)	Н_74

Torreon Intl (MMTC)

App Con 119.6 Tower 118.5

H-7A

AIRPORT DIAGRAMS

In support of the Federal Aviation Administration's Runway Incursion Program, selected towered airport diagrams hav been published in the Airport Diagram section of the A/FD. Diagrams will be listed alphabetically by associated city an airport name. Airport diagrams, depicting runway and taxiway configurations, will assist both VFR and IFR pilots in groun taxi operations. The airport diagrams in this publication are the same as those published in the U.S. Terminal Procedure Publications. For additional airport diagram legend information see the U.S. Terminal Procedures Publication.

NOTE: Some text data published under the individual airport in the front portion of the A/FD may be more current tha the data published on the Airport Diagrams. The airport diagrams are updated only when significant changes occur.

GENERAL INFORMATION

PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

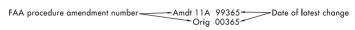
Available pilot controlled lighting (PCL) systems are indicated as follows:

- 1. Approach lighting systems that bear a system identification are symbolized using negative symbology, e.g., (a), 💽 😥 2. Approach lighting systems that do not bear a system identification are indicated with a negative "①" beside the name
- A star (*) indicates non-standard PCL, consult the individual airport in the front portion of the A/FD, e.g., 0* To activate lights use frequency indicated in the communication section of the chart with a $\mathbf{0}$ or the appropriate

lighting system identification e.g., UNICOM 122.8 0, 🚳, 👽

KEY MIKE	FUNCTION
7 times within 5 seconds	Highest intensity available
5 times within 5 seconds	Medium or lower intensity (Lower REIL or REIL-off)
2 times within 5 seconds	Lowest intensity available (Lower PEIL or PEIL-off)

CHART CURRENCY INFORMATION



The Chart Date indentifies the Julian date the chart was added to the volume or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest addition or change was first published.

The Procedure Amendment Number precedes the Chart Date, and changes any time instrument information (e.g., DH, MDA, approach routing, etc.) changes. Procedure changes also cause the Chart Date to change.

MISCELLANEOUS

- Indicates a non-continuously operating facility, see the individual airport in the front portion of the A/FD.
- Indicates control tower temporarily closed UFN.

10210 IFGFND

INSTRUMENT APPROACH PROCEDURES (CHARTS)

AIRPORT DIAGRAM/AIRPORT SKETCH

Runways			
Hard Surface	Other Than Hard Surface	Stopways,Taxiwa Parking Areas, Water Runways	ys, Displaced Threshold
× × Closed Runway	××× Closed Taxiway	Under Construction	Metal Surface
e.g., BAI not appli	<12, MA-1A etc	cific arresting gear , shown on airpor ilots. Military Pilots ations.	rt diagrams,
uni-d	irectional	bi-directional	Jet Barrier
ARRESTING	G SYSTEM		
REFERENC	E FEATURES		
Obstructio	ns		∧
Airport Be	acon #		☆
Runway			_
Control To	wer #		

When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.

Runway length depicted is the physical length of

Hot Spot(

Runway length depicted is the physical length of the runway (end-to-end, including displaced thresholds if any) but excluding areas designated as stopways.

A **D** symbol is shown to indicate runway declared distance information available, see appropriate A/FD, Alaska or Pacific Supplement for distance information.

Helicopter Alighting Areas ⊕ ⊕ ⊞ ♠ ⊞

Runway Threshold elevation......THRE 123
Runway TDZ elevation......TDZE 123

→ 0.3% DOWN

.....0.8% UP-

(shown when runway slope is greater than or equal to 0.3%) NOTE:

Runway Slope measured to midpoint on runways 8000 feet or longer.

U.S. Navy Optical Landing System (OLS) "OLS" location is shown because of its height of approximately 7 feet and proximity to edge of runway may create an obstruction for some types of aircraft.

Approach light symbols are shown in the Flight Information Handbook.

Airport diagram scales are variable.

True/magnetic North orientation may vary from diagram to diagram

Coordinate values are shown in 1 or ½ minute increments. They are further broken down into 6 second ticks, within each 1 minute increments.

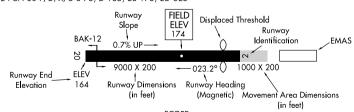
Positional accuracy within ±600 feet unless otherwise noted on the chart.

NOTE:

All new and revised airport diagrams are shown referenced to the World Geodetic System (WGS) (noted on appropriate diagram), and may not be compatible with local coordinates published in FLIP. (Foreign Only)

Runway Weight Bearing Capacity/or PCN Pavement Classification Number is shown as a codified expression.

Refer to the appropriate Supplement/Directory for applicable codes e.g., RWY 14-32 PCN 80 F/D/X/U S-75, D-185, 2S-175, 2D-325



SCOPE

Airport diagrams are specifically designed to assist in the movement of ground traffic at locations with complex runway/taxiway configurations and provide information for updating Computer Based Navigation Systems (I.E., INS, GPS) aboard aircraft. Airport diagrams are not intended to be used for approach and landing or departure operations. For revisions to Airport Diagrams: Consult FAA Order 7910.4.

LEGEND

CITY/AIRPORT

FLD (BOI)

IDAHO FALLS

LEWISTON LEWISTON-NEZ

BILLINGS

GREAT FALLS

EUGENE

PORTLAND PORTLAND INTL (PDX)

SALEM MCNARY FLD (SLE)

PERCE CO (LWS)

BILLINGS LOGAN INTL (BIL)

GREAT FALLS INTL (GTF)

MAHLON SWEET FIELD (EUG)

BOISE

AIRPORT DIAGRAMS HOT SPOTS

runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operation:

Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to

increased risk has been reduced or eliminated.

BOISE AIR TERMINAL/GOWEN

IDAHO FALLS RGNL (IDA)

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision of

HOT SPOT

HS₁

HS₁

HS₂

HS 3

HS₁

HS₂

HS₁

HS₂

HS₁

HS 2

HS₁

HS₁

HS₁

NW. 23 SEP 2010 to 18 NOV 2010

IDAHO

MONTANA

OREGON

airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots a depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the lis below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time th

DESCRIPTION

Pilots departing Rwy 10L often miss the left turn of

Acft departing Rwy 20 often miss left turn on A1 and taxi past A1 entrance. Do not mistake Rwy 20 apch hold line on Twy A for entrance to

Twy C and Twy G intersection close proximity to

Twv H crosses Rwv 07 protected area, Do not proceed across Rwy 07 without an ATCT clearance

Acft departing Rwy 21 often miss left turn at Twy A1. There is no rwy access beyond Twy A1.

Twy A3 aligned with Rwy 25. Acft departing Rwy 21 at Twy A3 must verify heading prior to tkf due to

Acft taxiing to Rwy 34L often miss right turn at Twy A8 or Twy A9. Do not mistake Rwy 34L apch hold sign on Twy A south of Twy A9 for rwy entrance.

Limited wing-tip clearance at twy convergence poin Pilots taxiing eastbound on Twy B should hold at the twy holding position marking when directed by

When the ATCT is clsd the rwy holding position marking on the west side of Rwy 16-34 is inside the protected area for Rwy 13-31. Pilots should no hold at this position if other tfc is arriving or

Twy G between Rwy 08-26 and Rwy 30 thld. Short

Do not cross hold line for Rwv 17 without

Twy A and continue taxi on Twy J. Do not mixtake Rwy 10L apch sign for Rwy 10L entrance. Pilots should use caution and look carefully for rwy hold line when using Twy C. Rwy 17-35 does not have rwy edge markings and can be mistaken for a

Rwy 28R hold line is at east edge of run up area, more than 900' taxi distance from the rwy edge. Use extreme caution to stop.

ATC.

Rwv 20

authorization.

distance between rwys.

wrong rwy departure risk.

departing on Rwy 13-31.

WASHINGTON

/ERETT	
SNOHOMISH COUNTY	HS 1
(PAINE FIELD) PAE	

Pilots holding short of Rwy 11-29 at Twy A4 or Twy A5 should use caution to stop prior to the rwy holding position marking. Rwy hold position signs are located 230' to the right and 350' to the left of

the Twy A5 centerline and may be difficult to locate Rwy 29 thld in close proximity to ramp areas. Twv A between Twv A8 and Twv A9 not visible from

HS 3

HS 1

HS 2

HS 1

HS 1

HS₂

WYOMING

NW. 23 SEP 2010 to 18 NOV 2010

on Twy J must clear the Rwy 34C hold bar completely, while using vigilance not to cross the hold bar for Rwy 34R (34C-34R hold bar separation

Confusing twy configuration. Twy A transitions to

Twy B and back to Twy A when taxiing to and from

ATCT.

Twy Z restricted access area. Rwy 13R-31L and Twy A9. Wrong rwy departure

risk. Acft Idg Rwy 34C and exiting Twy H who turn right

distance 189').

Rwv 13-31.

CHEYENNE

FIELD (CYS)

SEATTLE

SEATTLE

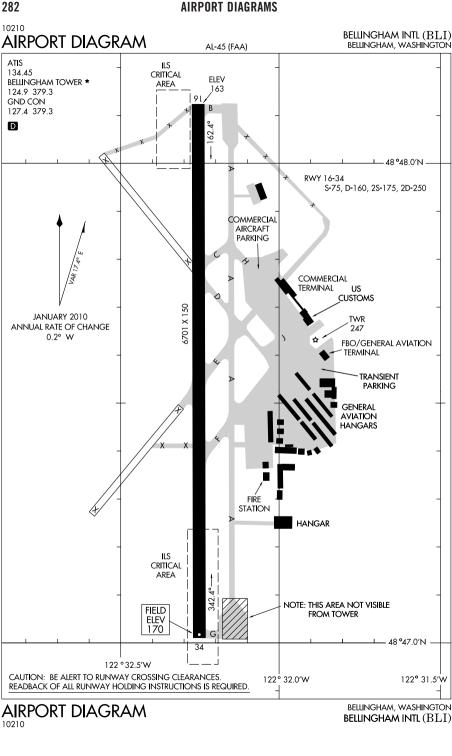
BOEING FIELD/KING

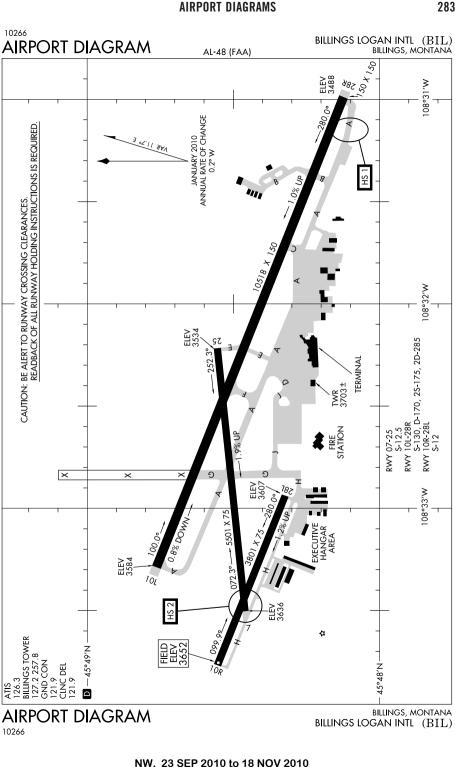
SEATTLE-TACOMA INTL (SEA)

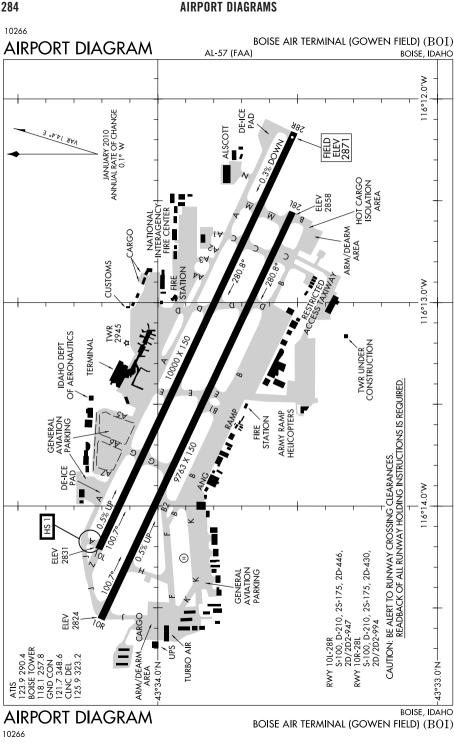
CHEYENNE RGNL/JERRY OLSON

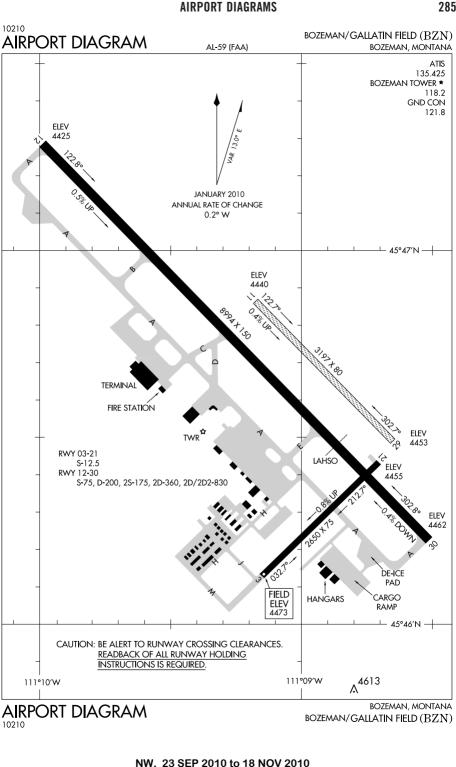
COUNTY INTL (BFI)

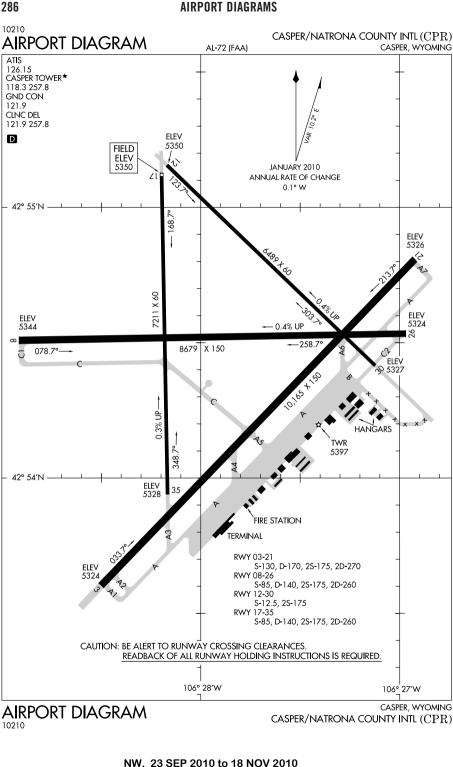
ΕV

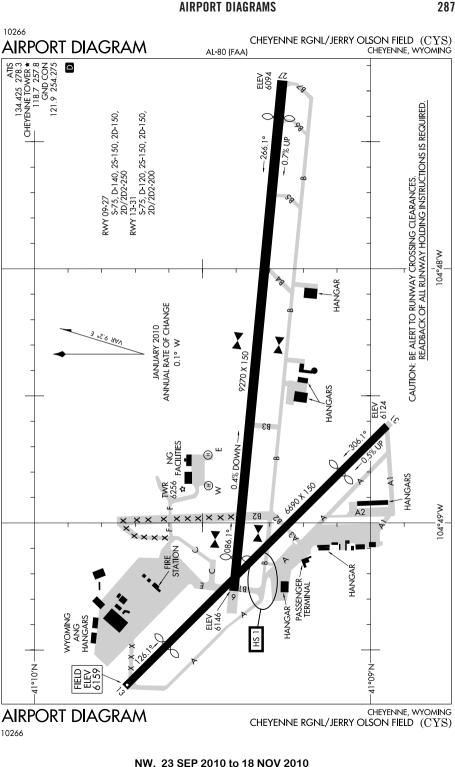


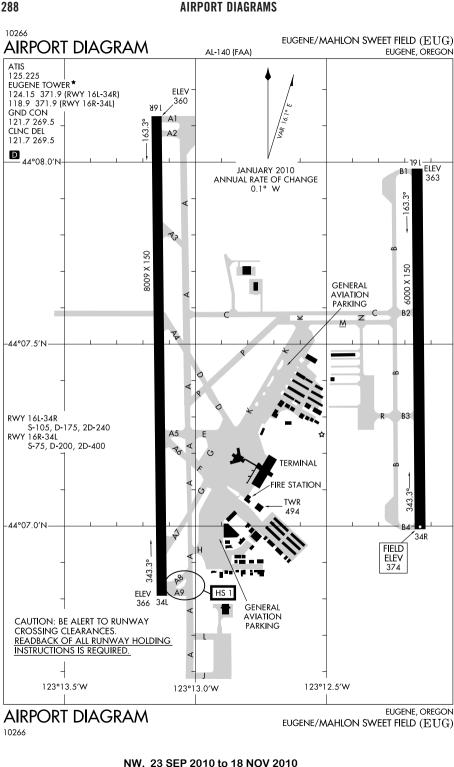






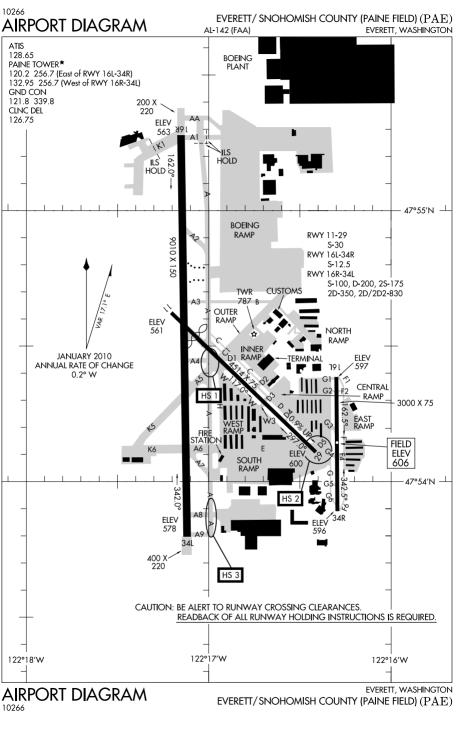


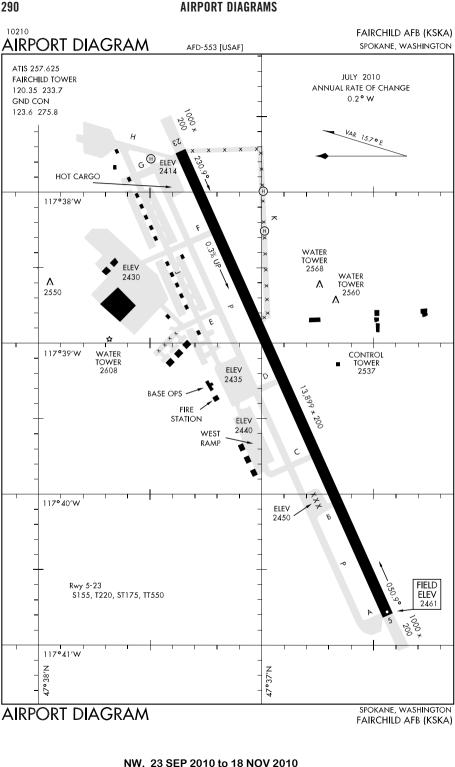


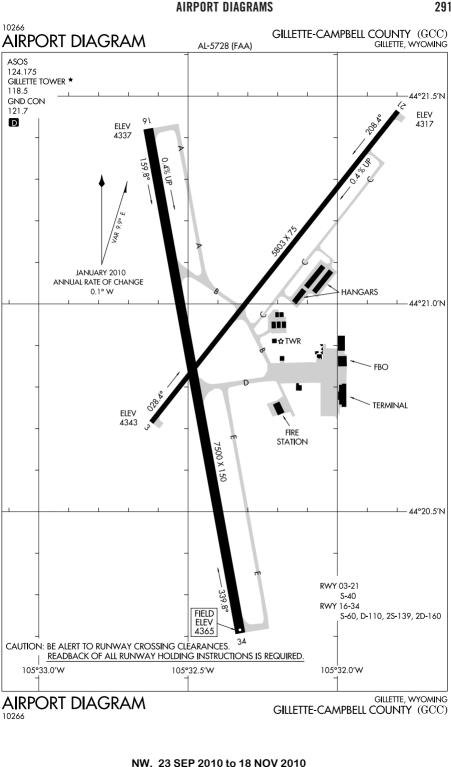


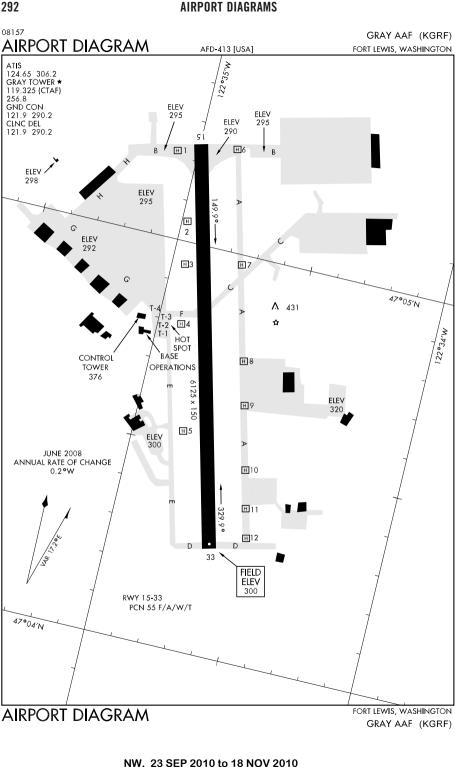


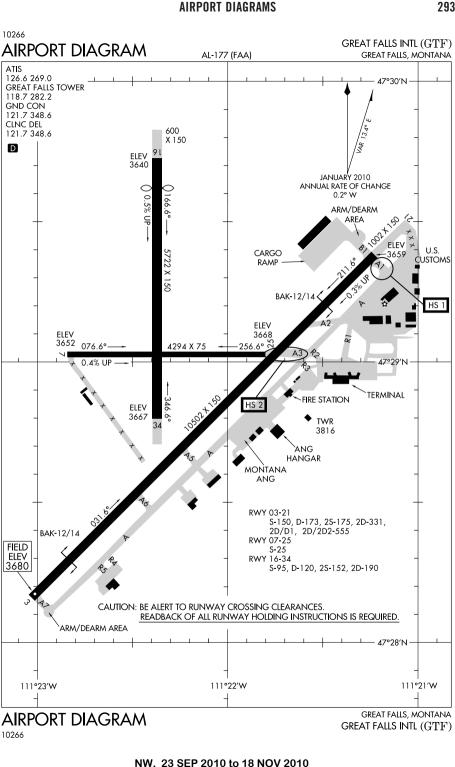
MS 289

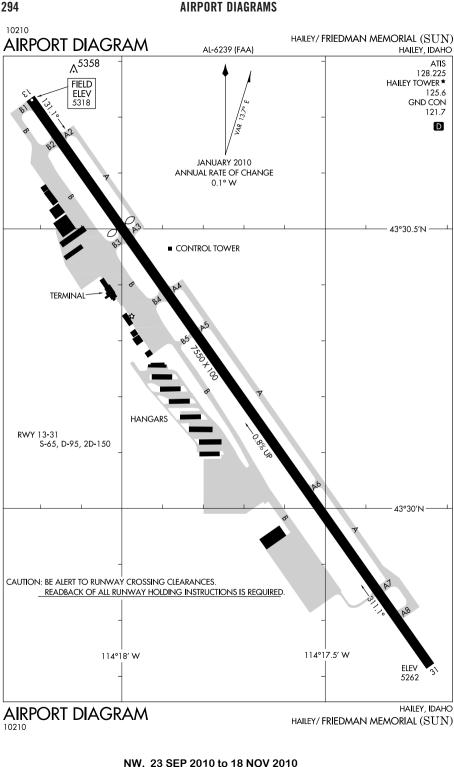


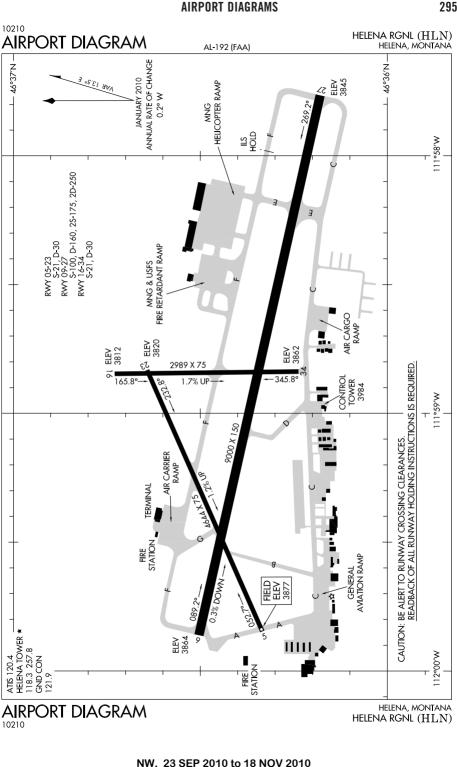


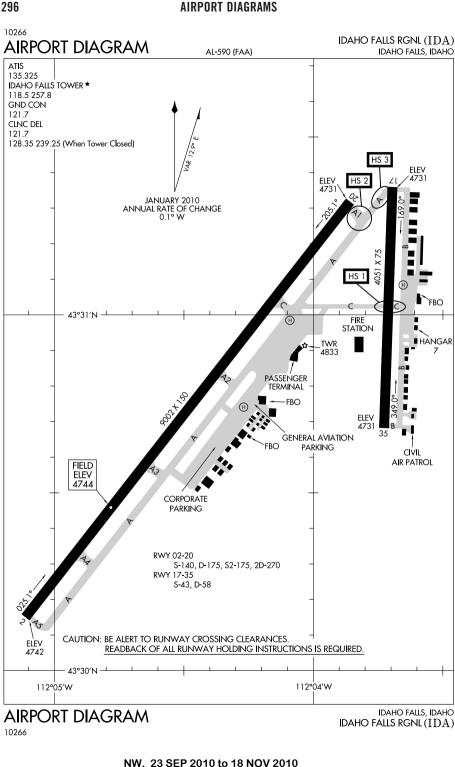


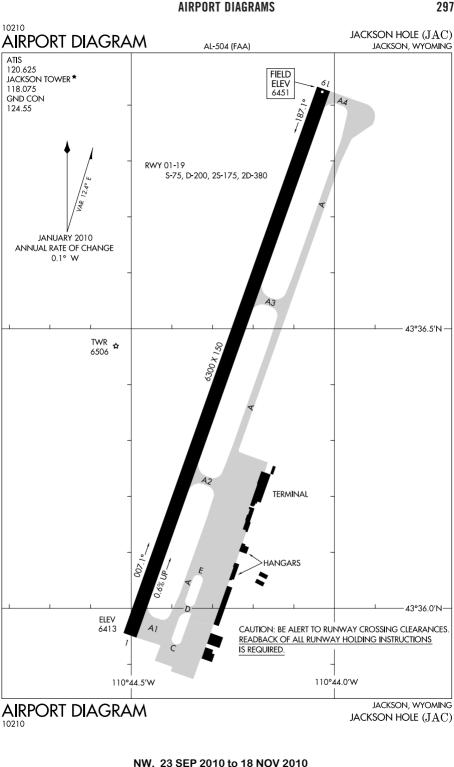


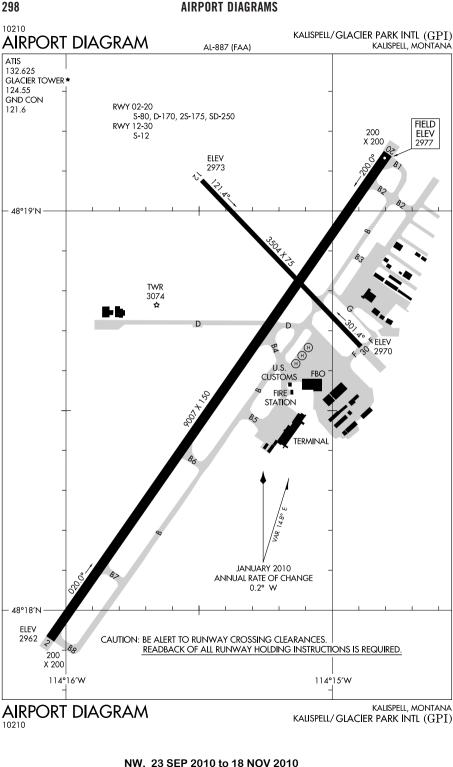


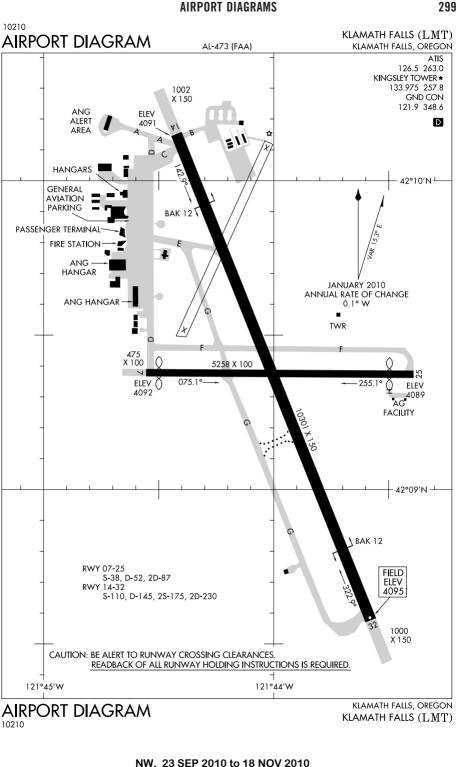


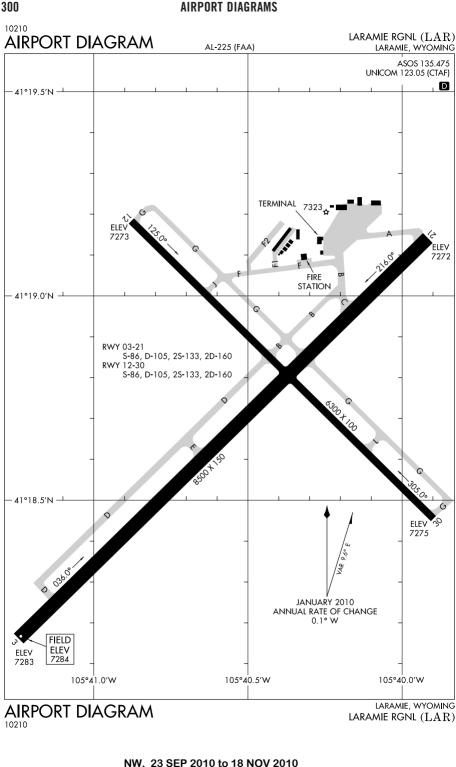


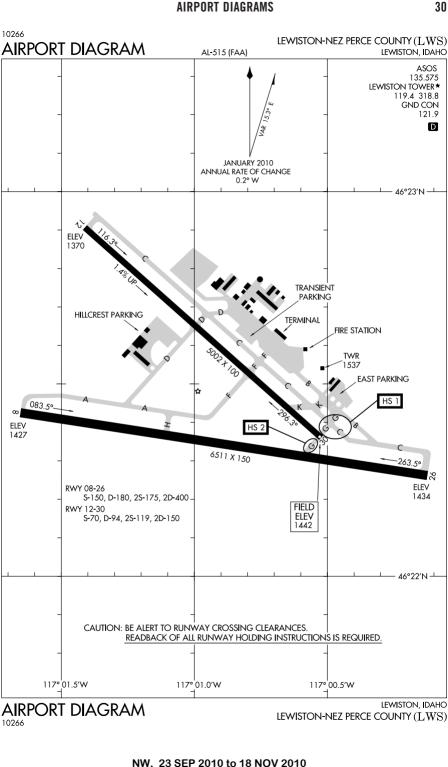


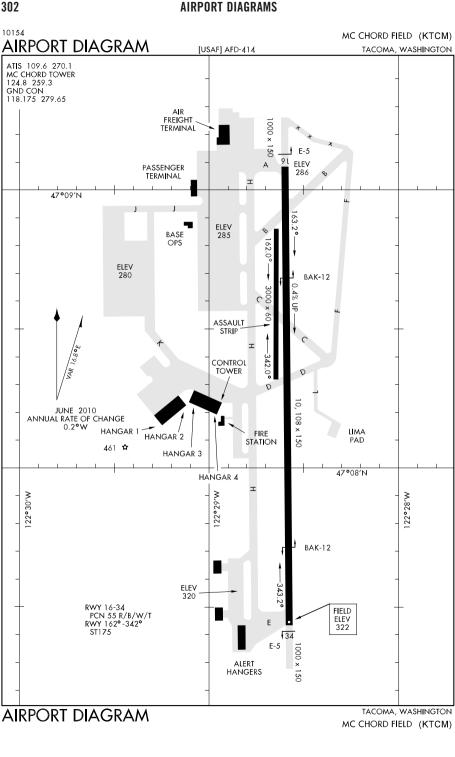


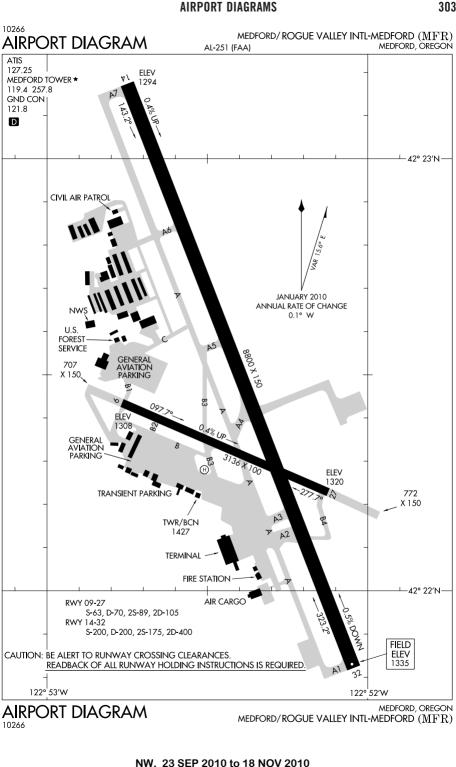


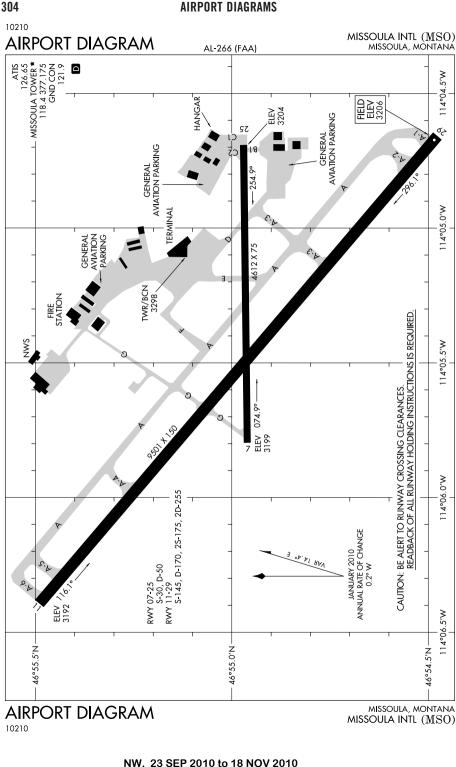


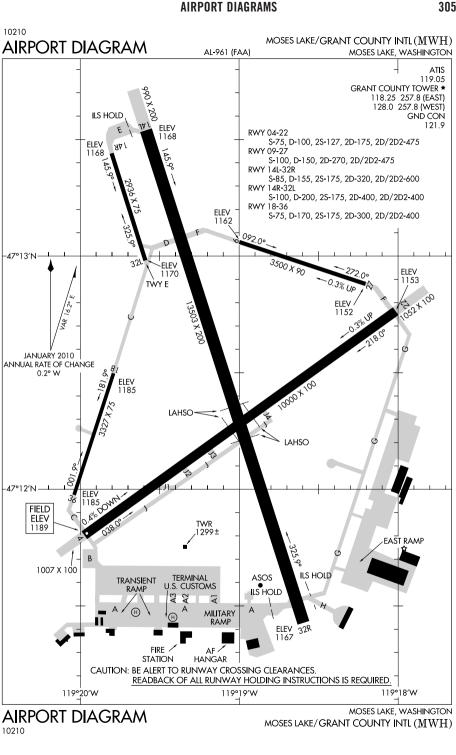


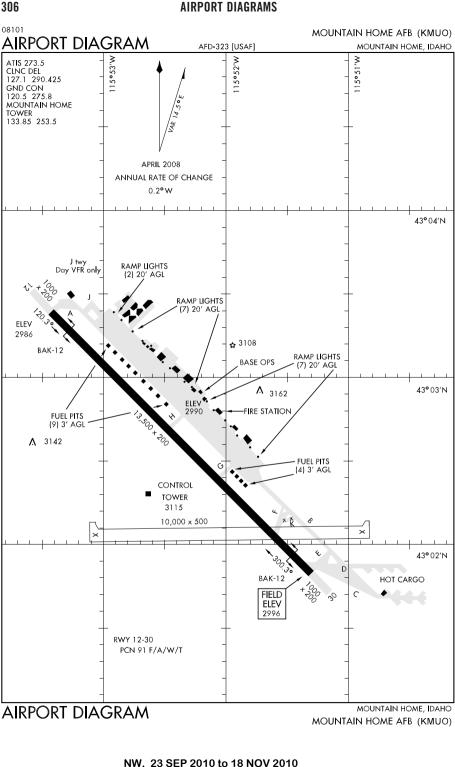


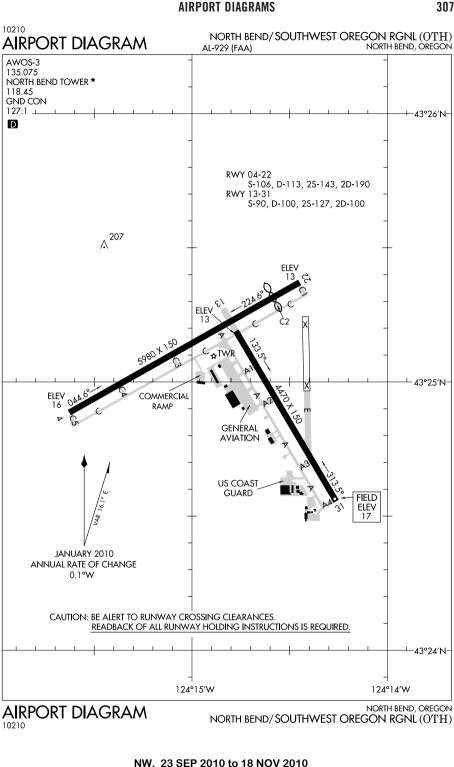


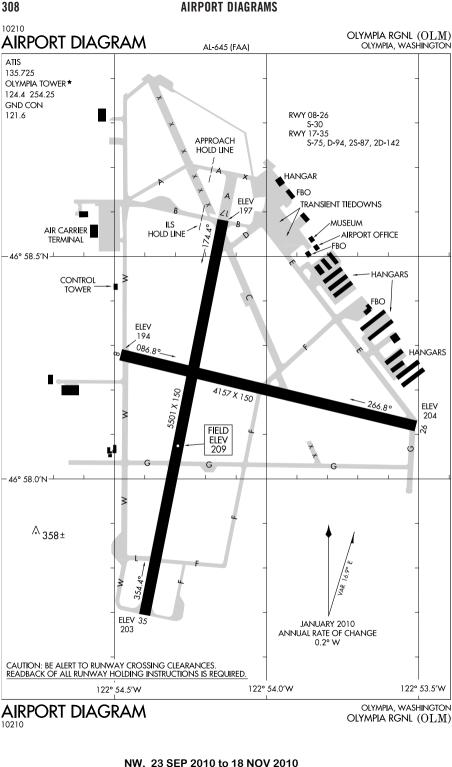


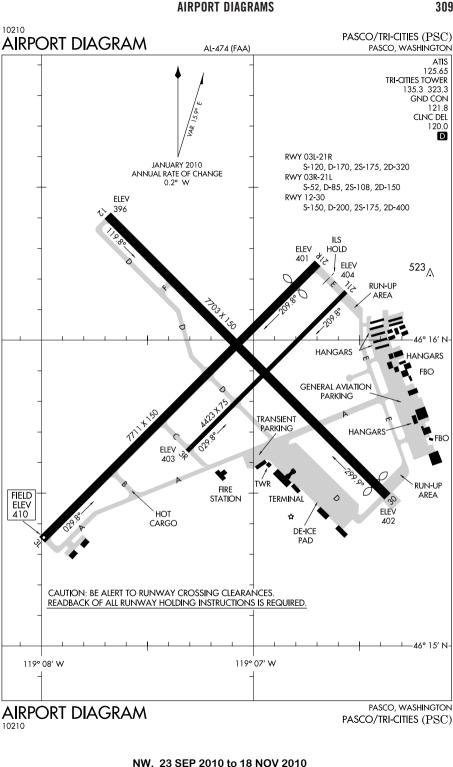


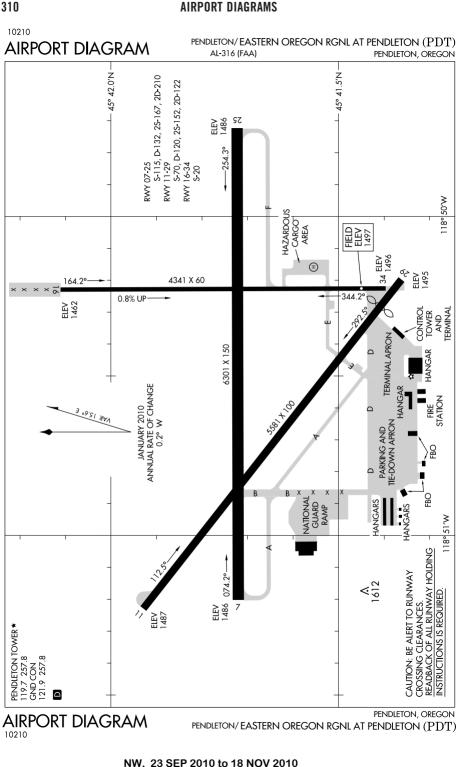


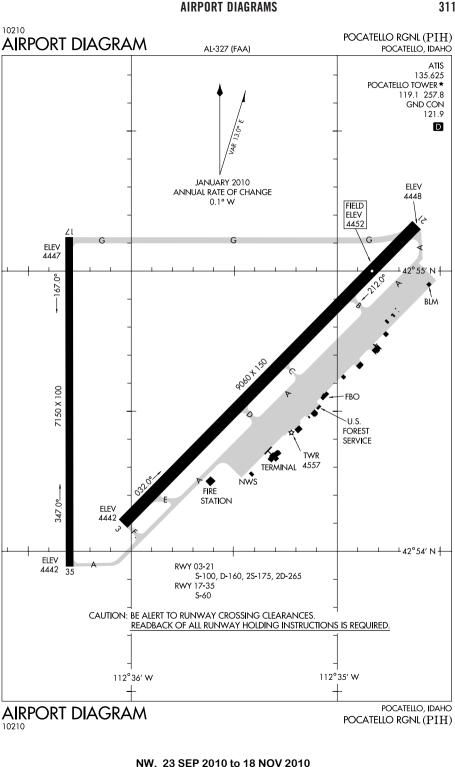


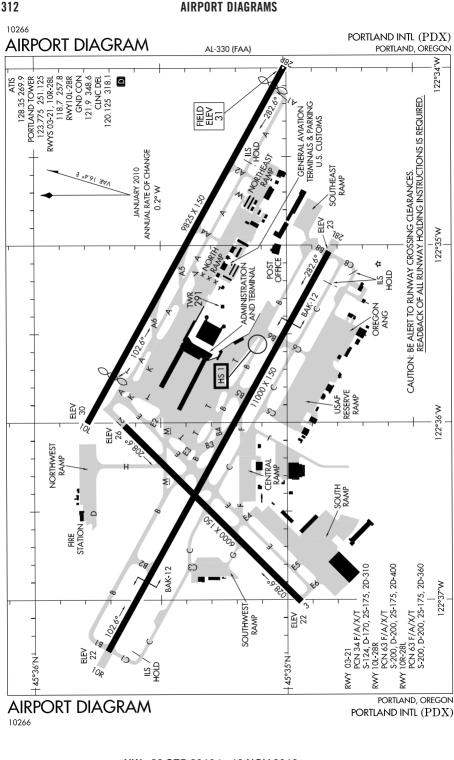


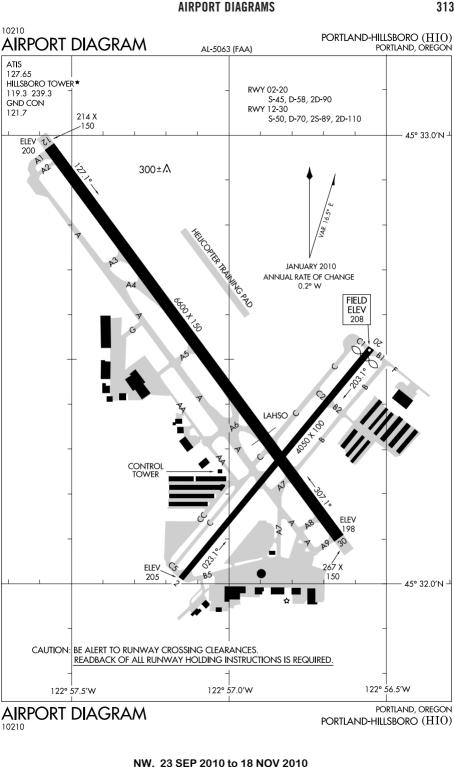


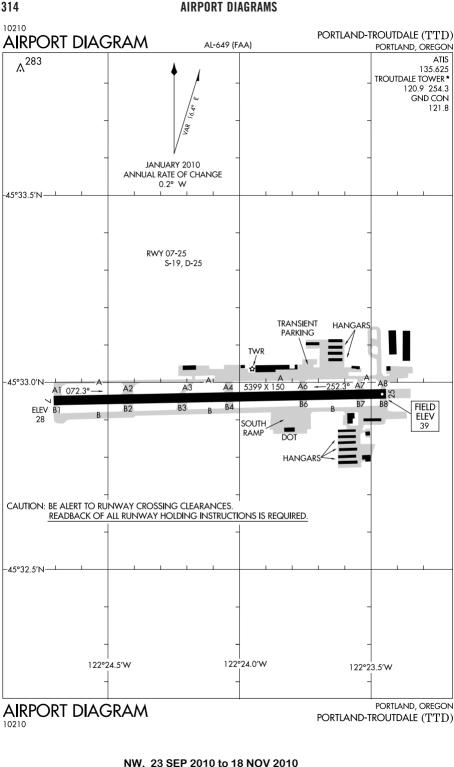


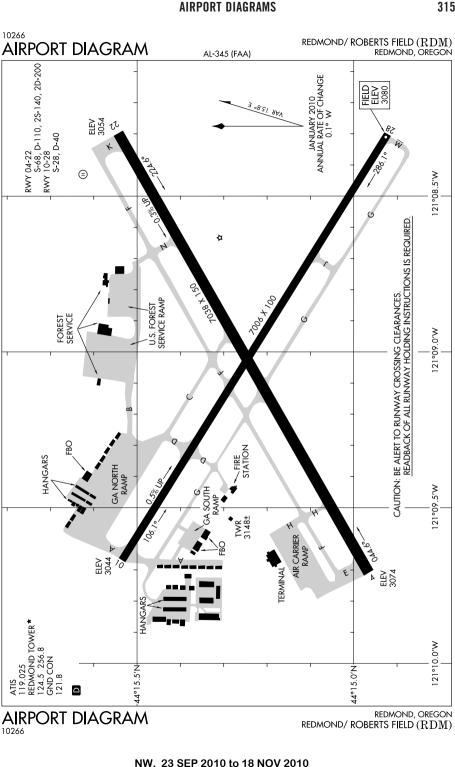


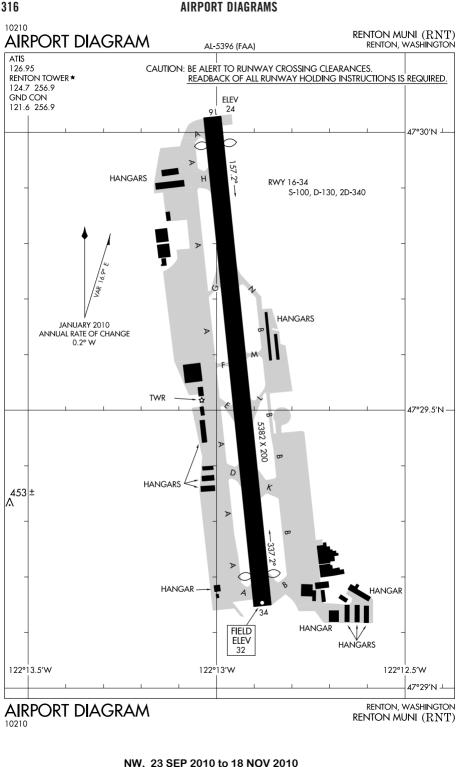


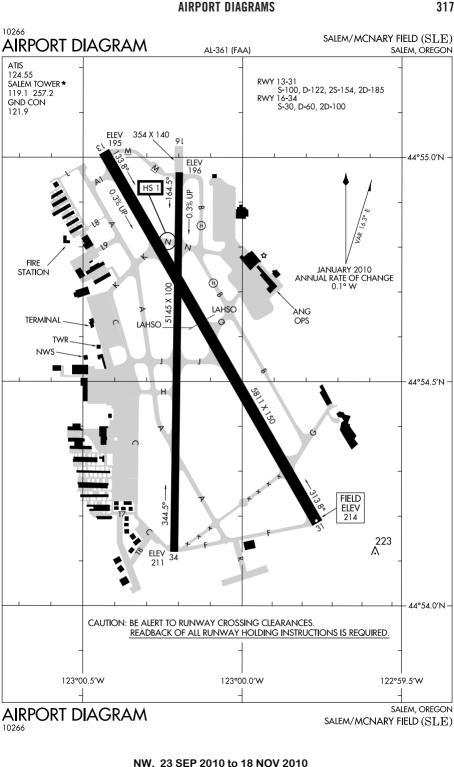


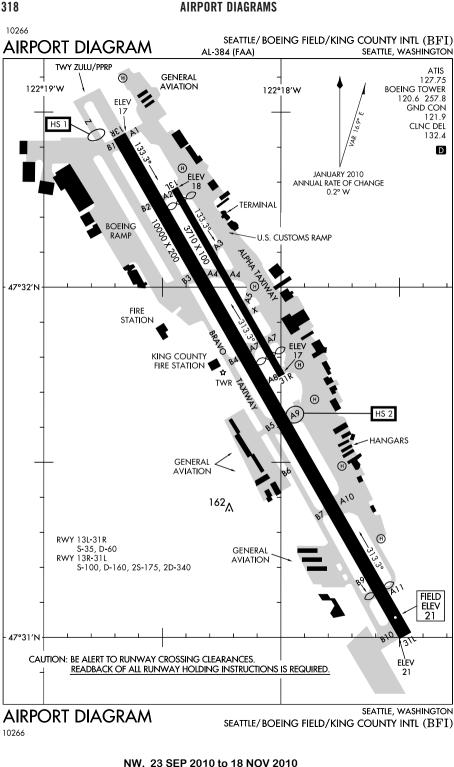


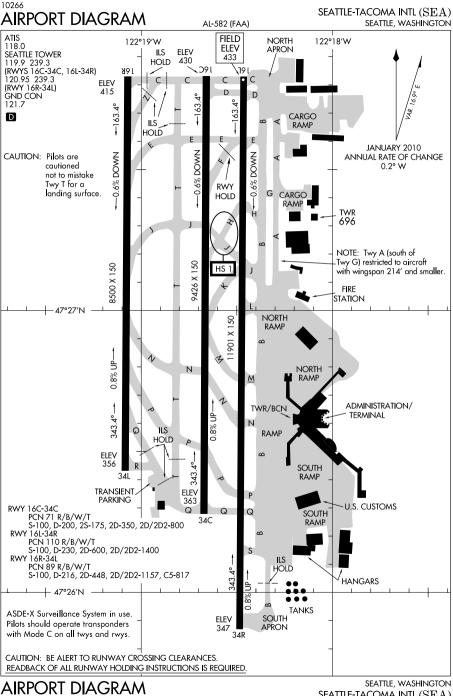








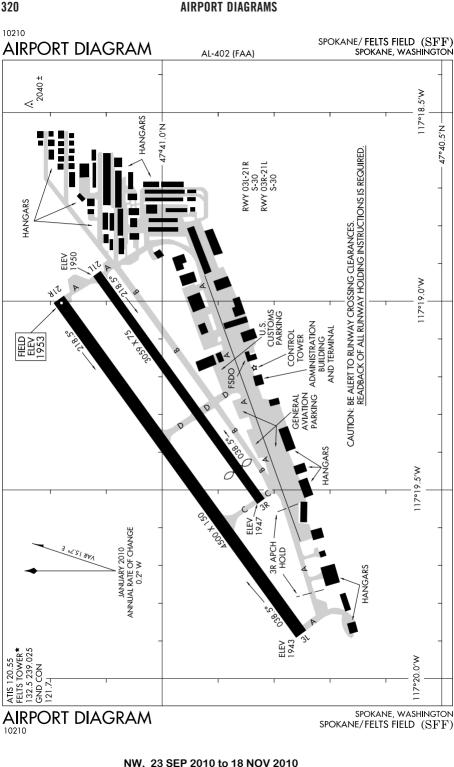


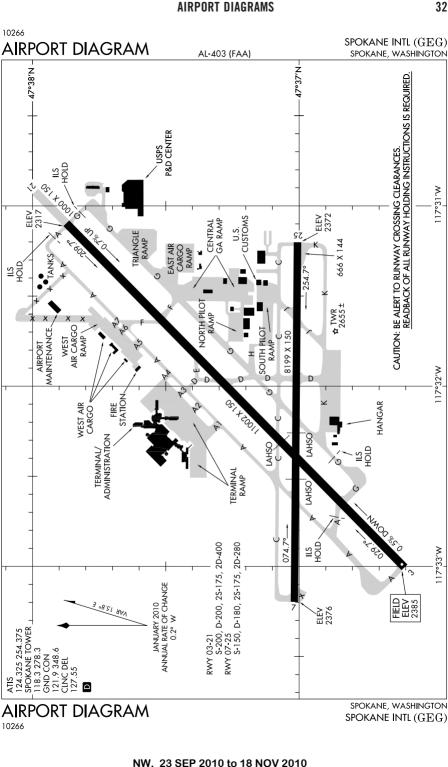


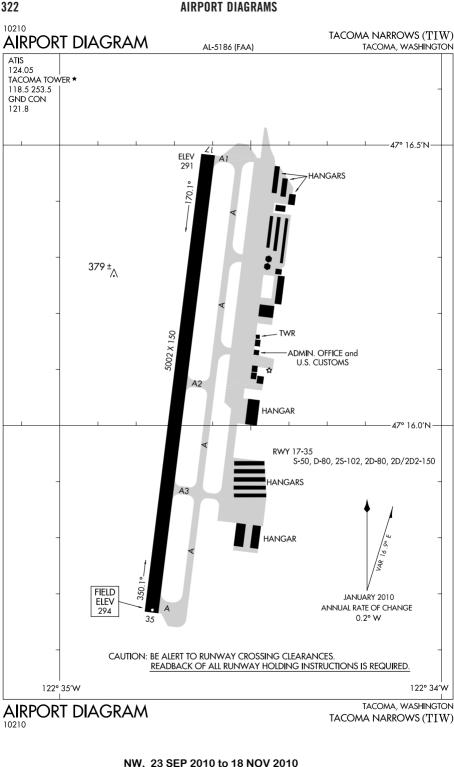
NW. 23 SEP 2010 to 18 NOV 2010

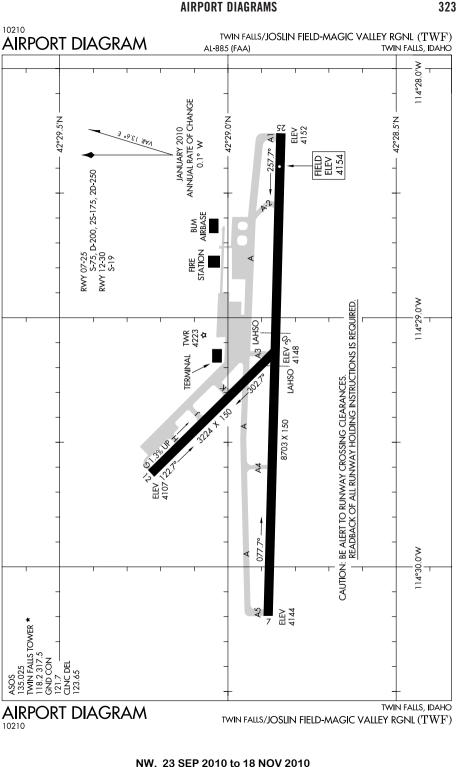
10266

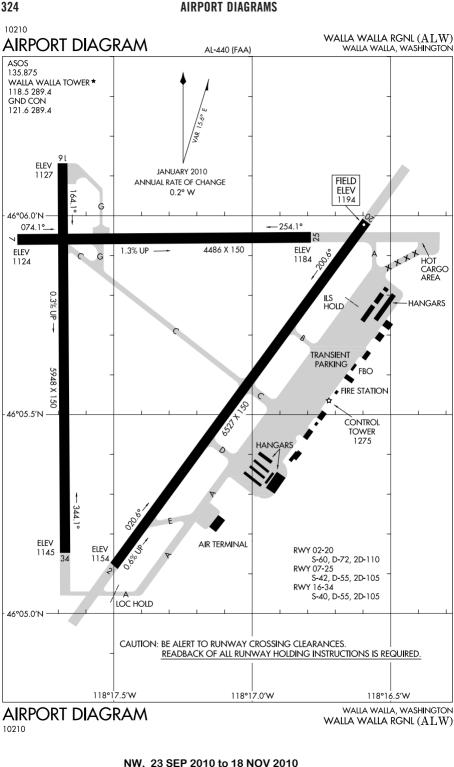
SEATTLE-TACOMA INTL (SEA)

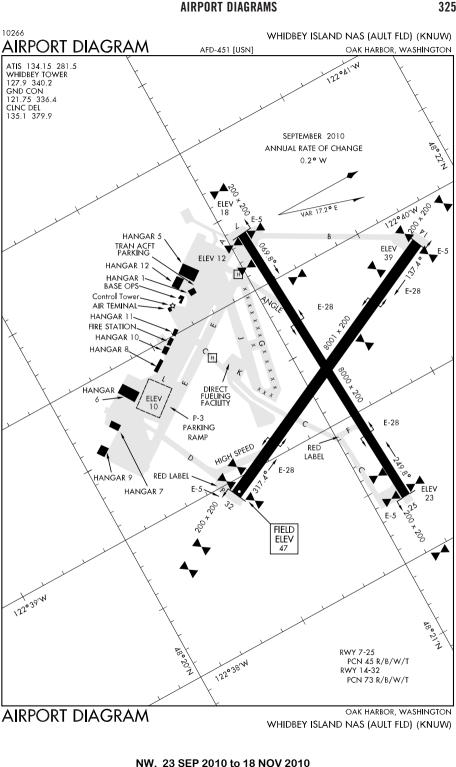


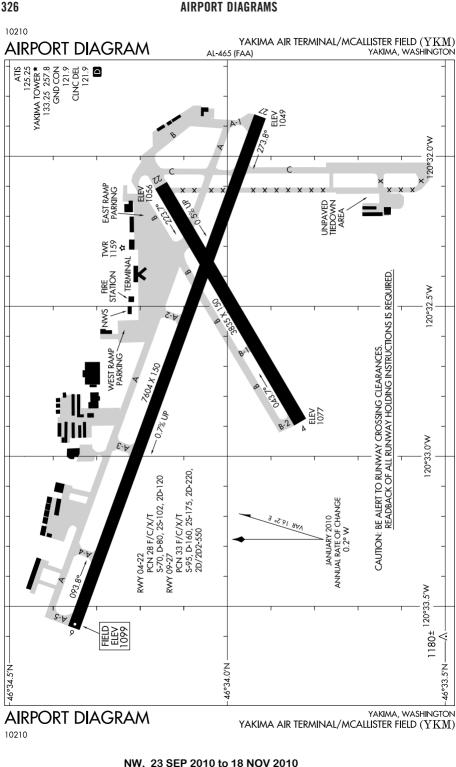












INTENTIONALLY LEFT BLANK

